

Writing linear equations

Convert each given equations into the slope-intercept form of the equation of each line.

1) Slope = -1 , y-intercept = -1

2) Slope = $\frac{1}{2}$, y-intercept = 4

3) Slope = 2 , y-intercept = -5

4) Slope = $\frac{2}{5}$, y-intercept = 1

5) Slope = $\frac{6}{5}$, y-intercept = 3

6) Slope = 7 , y-intercept = 2

7) Slope = $\frac{5}{3}$, y-intercept = 0

8) Slope = $\frac{9}{5}$, y-intercept = 4

9) Slope = $\frac{1}{5}$, y-intercept = -3

10) Slope = -3 , y-intercept = -5

11) Slope = 2 , y-intercept = 5

12) Slope = $\frac{6}{5}$, y-intercept = -4

13) Slope = -5 , y-intercept = 5

14) Slope = $-\frac{9}{2}$, y-intercept = 5

15) Slope = 1 , y-intercept = -2

16) Slope = $-\frac{1}{5}$, y-intercept = -2

17) Slope = -4 , y-intercept = -1

18) Slope = $-\frac{3}{4}$, y-intercept = 0

19) Slope = $\frac{3}{5}$, y-intercept = 0

20) Slope = -2 , y-intercept = -5

21) Slope = $-\frac{3}{2}$, y-intercept = -5

22) Slope = 4 , y-intercept = -3

23) Slope = $-\frac{3}{5}$, y-intercept = 0

24) Slope = -5 , y-intercept = 2

25) Slope = $-\frac{4}{3}$, y-intercept = 4

26) Slope = $\frac{1}{2}$, y-intercept = 3

27) Slope = 1 , y-intercept = -4

28) Slope = $-\frac{7}{4}$, y-intercept = 5

29) Slope = $\frac{2}{3}$, y-intercept = -2

30) Slope = $\frac{3}{2}$, y-intercept = 4

31) Slope = 1 , y-intercept = 2

32) Slope = $-\frac{1}{2}$, y-intercept = -2

33) Slope = -4 , y-intercept = -4

34) Slope = $\frac{2}{3}$, y-intercept = -1

35) Slope = $\frac{1}{5}$, y-intercept = 3

36) Slope = 6, y-intercept = -1

37) Slope = 3, y-intercept = 1

38) Slope = -2, y-intercept = 3

39) Slope = 4, y-intercept = 4

40) Slope = $-\frac{2}{3}$, y-intercept = 4

41) Slope = $\frac{8}{5}$, y-intercept = -3

42) Slope = 0, y-intercept = -2

43) Slope = 0, y-intercept = 1

44) Slope = -1, y-intercept = 2

45) Slope = $-\frac{2}{3}$, y-intercept = -5

46) Slope = 3, y-intercept = -4

47) Slope = $\frac{3}{2}$, y-intercept = 3

48) Slope = $-\frac{7}{5}$, y-intercept = -5

49) Slope = $-\frac{5}{2}$, y-intercept = -2

50) Slope = $-\frac{1}{3}$, y-intercept = -4

51) Slope = $-\frac{1}{3}$, y-intercept = 3

52) Slope = 1, y-intercept = 1

53) Slope = $\frac{1}{4}$, y-intercept = -3

54) Slope = -3, y-intercept = 5

55) Slope = -5, y-intercept = -5

56) Slope = 2, y-intercept = -1

57) Slope = $-\frac{1}{2}$, y-intercept = 0

58) Slope = $-\frac{5}{2}$, y-intercept = 5

59) Slope = $\frac{4}{5}$, y-intercept = 2

60) Slope = 2, y-intercept = 4

61) Slope = 2, y-intercept = -4

62) Slope = -1, y-intercept = -3

63) Slope = 1, y-intercept = 0

64) Slope = $\frac{4}{5}$, y-intercept = -4

65) Slope = 6, y-intercept = 3

66) Slope = $\frac{1}{3}$, y-intercept = 5

67) Slope = $\frac{1}{5}$, y-intercept = 2

68) Slope = $-\frac{5}{3}$, y-intercept = 1

69) Slope = -2, y-intercept = -1

70) Slope = 2, y-intercept = -2

71) Slope = 2, y-intercept = -3

72) Slope = -1, y-intercept = 1

73) Slope = 7, y-intercept = -5

74) Slope = $\frac{1}{3}$, y-intercept = 2

75) Slope = $\frac{8}{5}$, y-intercept = 5

76) Slope = $-\frac{3}{4}$, y-intercept = 4

77) Slope = $-\frac{7}{4}$, y-intercept = -4

78) Slope = 10, y-intercept = 5

79) Slope = $\frac{4}{3}$, y-intercept = -1

80) Slope = -1, y-intercept = -2

81) Slope = $-\frac{9}{2}$, y-intercept = 4

82) Slope = -4, y-intercept = 3

83) Slope = $\frac{1}{3}$, y-intercept = -1

84) Slope = $-\frac{3}{5}$, y-intercept = 1

85) Slope = $\frac{7}{4}$, y-intercept = -4

86) Slope = $-\frac{3}{4}$, y-intercept = -1

87) Slope = $\frac{5}{4}$, y-intercept = 5

88) Slope = $-\frac{5}{3}$, y-intercept = 3

89) Slope = $\frac{5}{4}$, y-intercept = -5

90) Slope = 3, y-intercept = -5

91) Slope = 1, y-intercept = -3

92) Slope = -2, y-intercept = 0

93) Slope = $-\frac{3}{5}$, y-intercept = -3

94) Slope = 0, y-intercept = 5

95) Slope = $\frac{1}{2}$, y-intercept = 0

96) Slope = $-\frac{3}{5}$, y-intercept = -2

97) Slope = $-\frac{7}{4}$, y-intercept = 4

98) Slope = $\frac{5}{2}$, y-intercept = 2

99) Slope = $\frac{1}{4}$, y-intercept = 2

100) Slope = $-\frac{2}{3}$, y-intercept = 3

101) $x - y = 1$

102) $6x - y = -7$

103) $y = 4$

104) $4x + y = -8$

105) $x + 2y = -6$

106) $x - 7y = -14$

107) $x + y = -8$

108) $13x - 6y = 30$

109) $x + 3y = 18$

110) $y = -1$

$111) 3x - y = 6$

$112) 10x + y = -4$

$113) x - 6y = 18$

$114) x = -4$

$115) 4x + y = 6$

$116) x + 2y = 4$

$117) x = -7$

$118) 2x + y = -6$

$119) 7x + 5y = -30$

$120) 3x + 8y = 56$

$121) 9x - 5y = -20$

$122) x + 6y = -17$

$123) y = 7$

$124) x - 2y = 1$

$125) 5x + 4y = 8$

$126) 3x - 5y = 44$

$127) x - 2y = -8$

$128) x + y = -6$

$129) 3x + y = -3$

$130) 5x - 8y = 64$

$131) 12x + 5y = -40$

$132) 10x + 3y = 18$

$133) x - 2y = 2$

$134) 7x + y = -1$

$135) 4x + 3y = -18$

$136) 7x - y = 8$

$137) 9x + 5y = 5$

$138) 4x + y = -6$

$139) 3x - 7y = 28$

$140) 7x - 4y = -24$

$141) 11x - 5y = -40$

$142) 4x - 5y = -20$

$143) x + y = 1$

$144) 9x - 8y = 24$

$145) 4x + y = -2$

$146) 6x + y = 4$

$147) 5x - 7y = 7$

$148) 11x + 6y = -36$

$149) y = 6$

$150) x = 0$

$151) 8x + y = -1$

$152) 11x - 3y = -12$

$153) 11x + 7y = 67$

$154) 2x - y = -1$

$155) 10x - 3y = 12$

$156) 3x + 2y = 9$

$157) 3x + 5y = 30$

$158) 8x - 3y = -12$

$159) 12x + 7y = -56$

$160) x - 6y = 12$

$161) 2x + y = -4$

$162) 7x - y = 1$

$163) x + 4y = -24$

$164) 12x + 5y = -20$

$165) 9x + 8y = -48$

$166) x + 6y = -12$

$167) 6x + 5y = 40$

$168) 3x - y = 8$

$169) x + 7y = 7$

$170) 11x - y = 6$

$171) 5x + 7y = 21$

$172) 3x - y = 4$

$173) x - y = -8$

$174) x = 2$

$175) 7x + y = 15$

$176) 11x + 7y = 42$

$177) x + 2y = -14$

$178) 5x - 9y = 23$

$179) 4x + 9y = 31$

$180) 3x - 4y = -32$

$181) x = 8$

$182) x = 7$

$$183) x - y = 7$$

$$184) x - 3y = -24$$

$$185) x - 4y = 4$$

$$186) x = -3$$

$$187) 2x - 5y = 20$$

$$188) 6x + y = 3$$

$$189) 6x - y = -6$$

$$190) x - 9y = -46$$

$$191) 11x + 3y = -12$$

$$192) x - 6y = 36$$

$$193) x - y = 2$$

$$194) 4x - 7y = 28$$

$$195) 7x - 6y = 42$$

$$196) 16x + 7y = 56$$

$$197) 2x + y = -2$$

$$198) 3x - 5y = 20$$

$$199) x - 5y = -5$$

$$200) 3x + 8y = 24$$

$$201) -x + \frac{25}{8} = \frac{5}{8}y$$

$$202) y + 3 = 4x$$

$$203) -6x + 15y = -60$$

$$204) \frac{4}{3} = -x - \frac{2}{3}y$$

$$205) -3y = -5x$$

$$206) -1 - \frac{1}{5}y = \frac{7}{10}x$$

$$207) 8 = x - 4y$$

$$208) 3x = 4 - 2y$$

$$209) y - \frac{5}{4}x = -1$$

$$210) 7x = -2 + y$$

$$211) 5x = -2 + 2y$$

$$212) x = y$$

$$213) -x = -\frac{5}{2}y + \frac{5}{2}$$

$$214) -7 + x = y$$

$$215) -3x = 2y - 8$$

$$216) 0 = y + 5 - x$$

$$217) -15 = -x - 5y$$

$$218) 7y = -2x - 20$$

$$219) -1 - y = -2x$$

$$220) 6x - 10 = 5y$$

$$221) 2y - 3x = -2$$

$$222) 1 = \frac{1}{3}x$$

$$223) x + \frac{1}{2} = -\frac{9}{8}y$$

$$224) -x = -1 - \frac{3}{5}y$$

$$225) 2 - y = 0$$

$$226) x + y = 3$$

$$227) 4 - y + x = 0$$

$$228) 3x + 9y = 0$$

$$229) -y - 4x = 4$$

$$230) -8 = -2y + 3x$$

$$231) -3x = 8 + 2y$$

$$232) 36 = -3x + 12y$$

$$233) -6x + 2y + 6 = 0$$

$$234) 0 = -15 - 3y + 10x$$

$$235) x = \frac{1}{3}y + \frac{2}{3}$$

$$236) 0 = -7x + 5y + 15$$

$$237) 4x = -10y$$

$$238) 12x = 2 - 2y$$

$$239) y - 2x = 3$$

$$240) -4x - 4 = -y$$

$$241) 0 = -5 + 5y + 4x$$

$$242) 0 = -x - 6 + 2y$$

$$243) 5 + 4x = y$$

$$244) 15 - 3y - 9x = 0$$

$$245) \frac{1}{4}y = 1 + \frac{7}{20}x$$

$$246) -\frac{2}{5}x = -1 + \frac{1}{2}y$$

$$247) 0 = 2y + 6 - x$$

$$248) -x = 4y + 4$$

$$249) -3x + 6 + 9y = 0$$

$$250) 4x = -1 - y$$

$$251) 0 = 15 + 4y + 3x$$

$$252) 2 + x = y$$

$$253) x - \frac{5}{4}y + \frac{5}{4} = 0$$

$$254) -15 - 7x + 5y = 0$$

$$255) -3 = -x - 3y$$

$$256) 5x = 5 - y$$

$$257) -4x - 5y = 10$$

$$258) 0 = -1 - \frac{1}{5}y - \frac{7}{25}x$$

$$259) -x - \frac{12}{5} = -\frac{4}{5}y$$

$$260) -16 = 4y - 6x$$

$$261) -y = 4$$

$$262) -15 = x + 3y$$

$$263) -1 = y + x$$

$$264) -y - 1 = -6x$$

$$265) 0 = 5y - 2x$$

$$266) 2y - 2 = 0$$

$$267) 2x = y$$

$$268) -6 - 3y - x = 0$$

$$269) 36 + 12y = -15x$$

$$270) -12y + 36 = -21x$$

$$271) -x + \frac{8}{5} = \frac{2}{5}y$$

$$272) -11 + 9y = -5x$$

$$273) -14x = 6y + 58$$

$$274) 2x = -5y - 10$$

$$275) -23 - 3y = 7x$$

$$276) -7 = 9y + 5x$$

$$277) -1 + \frac{4}{5}y = x$$

$$278) 6x = 10y$$

$$279) 2x = -8 - 3y$$

$$280) 0 = 4x - 3y$$

$$281) -3y + 5x = -3$$

$$282) -4 + x = 0$$

$$283) -x - 8 = -2y$$

$$284) -5y = -x - 10$$

$$285) 3x + \frac{15}{2} = -\frac{3}{2}y$$

$$286) 15 = x + 3y$$

$$287) 5y = -20 + x$$

$$288) 2y = 5x$$

$$289) 0 = x - 4 - 2y$$

$$290) 9x = 2y - 8$$

$$291) x = 1 + y$$

$$292) 0 = x - 1$$

$$293) y - 1 = 2x$$

$$294) -y = -3x + 4$$

$$295) 2y + 10 = 3x$$

$$296) 0 = -x - 19 - 5y$$

$$297) -\frac{6}{5} = -x + \frac{3}{5}y$$

$$298) -8y = 8 - 2x$$

$$299) 1 - \frac{7}{16}x = \frac{3}{16}y$$

$$300) -x + 1 = y$$

$$301) \text{ through: } (-1, -5) \text{ and } (0, 1)$$

$$302) \text{ through: } (1, 5) \text{ and } (0, 4)$$

$$303) \text{ through: } (0, 3) \text{ and } (-4, 2)$$

$$304) \text{ through: } (0, 5) \text{ and } (-5, -4)$$

$$305) \text{ through: } (-2, 1) \text{ and } (0, 4)$$

$$306) \text{ through: } (0, -4) \text{ and } (-1, -1)$$

$$307) \text{ through: } (3, 3) \text{ and } (0, 5)$$

$$308) \text{ through: } (0, 3) \text{ and } (4, -3)$$

$$309) \text{ through: } (-2, 1) \text{ and } (-1, -2)$$

$$310) \text{ through: } (-2, -5) \text{ and } (2, -1)$$

$$311) \text{ through: } (-2, 0) \text{ and } (-2, -2)$$

$$312) \text{ through: } (-4, -4) \text{ and } (-1, -3)$$

313) through: $(-1, 4)$ and $(2, -3)$

314) through: $(1, -2)$ and $(1, 1)$

315) through: $(-2, -1)$ and $(-5, -2)$

316) through: $(0, 3)$ and $(-3, -1)$

317) through: $(-2, 5)$ and $(-3, 4)$

318) through: $(3, 5)$ and $(3, -3)$

319) through: $(5, 1)$ and $(-2, -1)$

320) through: $(-3, 1)$ and $(4, 2)$

321) through: $(-3, -3)$ and $(-5, -5)$

322) through: $(-3, 2)$ and $(-2, -4)$

323) through: $(-2, 2)$ and $(2, -5)$

324) through: $(-1, -5)$ and $(-4, 0)$

325) through: $(5, -2)$ and $(-4, -1)$

326) through: $(-3, 5)$ and $(3, -4)$

327) through: $(1, -4)$ and $(0, -1)$

328) through: $(-5, 2)$ and $(0, -2)$

329) through: $(4, -2)$ and $(0, -1)$

330) through: $(0, 0)$ and $(-3, 1)$

331) through: $(0, 2)$ and $(2, 4)$

332) through: $(-1, 0)$ and $(0, 3)$

333) through: $(-3, -5)$ and $(0, 4)$

334) through: $(0, 1)$ and $(5, -3)$

335) through: $(0, 4)$ and $(4, 3)$

336) through: $(-5, -4)$ and $(0, 3)$

337) through: $(-5, 2)$ and $(0, -5)$

338) through: $(1, -3)$ and $(5, -4)$

339) through: $(0, -5)$ and $(-3, 5)$

340) through: $(5, -4)$ and $(-5, -1)$

341) through: $(4, -2)$ and $(0, 0)$

342) through: $(5, 4)$ and $(-3, -3)$

343) through: $(5, -1)$ and $(0, 5)$

344) through: $(4, 2)$ and $(-5, 2)$

345) through: $(0, 1)$ and $(4, 0)$

346) through: $(4, 1)$ and $(-5, 3)$

347) through: $(2, 5)$ and $(3, -5)$

348) through: $(4, -5)$ and $(-4, 0)$

349) through: $(4, -2)$ and $(-5, 4)$

350) through: $(-2, 5)$ and $(3, 2)$

351) through: $(1, -3)$ and $(2, -3)$

352) through: $(1, 4)$ and $(0, -2)$

353) through: $(0, -2)$ and $(-2, 0)$

354) through: $(4, 0)$ and $(-1, 4)$

355) through: $(-5, -4)$ and $(0, -1)$

356) through: $(3, 3)$ and $(0, -1)$

357) through: $(3, 4)$ and $(-3, -3)$

358) through: $(0, 1)$ and $(-4, 1)$

359) through: $(0, 1)$ and $(-3, 2)$

360) through: $(2, -2)$ and $(0, 2)$

361) through: $(0, 3)$ and $(-2, -5)$

362) through: $(5, -5)$ and $(3, 0)$

363) through: $(-4, 2)$ and $(0, 5)$

364) through: $(-4, 1)$ and $(0, -5)$

365) through: $(4, 1)$ and $(0, -5)$

366) through: $(0, 5)$ and $(-4, -4)$

367) through: $(-4, 1)$ and $(0, 2)$

368) through: $(4, -4)$ and $(0, 2)$

369) through: $(3, -3)$ and $(0, 5)$

370) through: $(2, -1)$ and $(0, 3)$

371) through: $(0, -2)$ and $(4, 3)$

372) through: $(0, 5)$ and $(2, 1)$

373) through: $(-4, -2)$ and $(1, -4)$

374) through: $(-1, 3)$ and $(-2, 4)$

375) through: $(4, -1)$ and $(4, 4)$

376) through: $(0, -3)$ and $(-5, 0)$

377) through: $(-1, -3)$ and $(0, 5)$

378) through: $(-3, -5)$ and $(-1, 5)$

379) through: $(-1, -4)$ and $(-2, -1)$

380) through: $(5, 3)$ and $(-1, -1)$

381) through: $(-4, -3)$ and $(-4, -2)$

382) through: $(-1, -4)$ and $(1, 3)$

383) through: $(0, -2)$ and $(1, -2)$

384) through: $(0, -2)$ and $(3, 3)$

385) through: $(3, -2)$ and $(0, 1)$

386) through: $(0, 0)$ and $(5, 2)$

387) through: $(-1, 4)$ and $(0, 1)$

388) through: $(-3, -4)$ and $(-3, 4)$

389) through: $(0, 0)$ and $(-3, -5)$

390) through: $(3, -4)$ and $(-2, 2)$

391) through: $(0, 2)$ and $(4, -3)$

392) through: $(-3, 0)$ and $(0, 4)$

393) through: $(-4, -1)$ and $(0, -5)$

394) through: $(3, -4)$ and $(0, 4)$

395) through: $(-5, -3)$ and $(-3, 1)$

396) through: $(-1, -2)$ and $(-4, 1)$

397) through: $(3, 3)$ and $(0, -5)$

398) through: $(1, -1)$ and $(-5, -5)$

399) through: $(-4, 4)$ and $(2, -3)$

400) through: $(5, -2)$ and $(-5, -3)$

Writing linear equations

Convert each given equations into the slope-intercept form of the equation of each line.

1) Slope = -1 , y-intercept = -1

$$y = -x - 1$$

2) Slope = $\frac{1}{2}$, y-intercept = 4

$$y = \frac{1}{2}x + 4$$

3) Slope = 2 , y-intercept = -5

$$y = 2x - 5$$

4) Slope = $\frac{2}{5}$, y-intercept = 1

$$y = \frac{2}{5}x + 1$$

5) Slope = $\frac{6}{5}$, y-intercept = 3

$$y = \frac{6}{5}x + 3$$

6) Slope = 7 , y-intercept = 2

$$y = 7x + 2$$

7) Slope = $\frac{5}{3}$, y-intercept = 0

$$y = \frac{5}{3}x$$

8) Slope = $\frac{9}{5}$, y-intercept = 4

$$y = \frac{9}{5}x + 4$$

9) Slope = $\frac{1}{5}$, y-intercept = -3

$$y = \frac{1}{5}x - 3$$

10) Slope = -3 , y-intercept = -5

$$y = -3x - 5$$

11) Slope = 2 , y-intercept = 5

$$y = 2x + 5$$

12) Slope = $\frac{6}{5}$, y-intercept = -4

$$y = \frac{6}{5}x - 4$$

13) Slope = -5 , y-intercept = 5

$$y = -5x + 5$$

14) Slope = $-\frac{9}{2}$, y-intercept = 5

$$y = -\frac{9}{2}x + 5$$

15) Slope = 1 , y-intercept = -2

$$y = x - 2$$

16) Slope = $-\frac{1}{5}$, y-intercept = -2

$$y = -\frac{1}{5}x - 2$$

17) Slope = -4 , y-intercept = -1

$$y = -4x - 1$$

19) Slope = $\frac{3}{5}$, y-intercept = 0

$$y = \frac{3}{5}x$$

21) Slope = $-\frac{3}{2}$, y-intercept = -5

$$y = -\frac{3}{2}x - 5$$

23) Slope = $-\frac{3}{5}$, y-intercept = 0

$$y = -\frac{3}{5}x$$

25) Slope = $-\frac{4}{3}$, y-intercept = 4

$$y = -\frac{4}{3}x + 4$$

27) Slope = 1 , y-intercept = -4

$$y = x - 4$$

29) Slope = $\frac{2}{3}$, y-intercept = -2

$$y = \frac{2}{3}x - 2$$

31) Slope = 1 , y-intercept = 2

$$y = x + 2$$

33) Slope = -4 , y-intercept = -4

$$y = -4x - 4$$

18) Slope = $-\frac{3}{4}$, y-intercept = 0

$$y = -\frac{3}{4}x$$

20) Slope = -2 , y-intercept = -5

$$y = -2x - 5$$

22) Slope = 4 , y-intercept = -3

$$y = 4x - 3$$

24) Slope = -5 , y-intercept = 2

$$y = -5x + 2$$

26) Slope = $\frac{1}{2}$, y-intercept = 3

$$y = \frac{1}{2}x + 3$$

28) Slope = $-\frac{7}{4}$, y-intercept = 5

$$y = -\frac{7}{4}x + 5$$

30) Slope = $\frac{3}{2}$, y-intercept = 4

$$y = \frac{3}{2}x + 4$$

32) Slope = $-\frac{1}{2}$, y-intercept = -2

$$y = -\frac{1}{2}x - 2$$

34) Slope = $\frac{2}{3}$, y-intercept = -1

$$y = \frac{2}{3}x - 1$$

35) Slope = $\frac{1}{5}$, y-intercept = 3

$$y = \frac{1}{5}x + 3$$

37) Slope = 3, y-intercept = 1

$$y = 3x + 1$$

39) Slope = 4, y-intercept = 4

$$y = 4x + 4$$

41) Slope = $\frac{8}{5}$, y-intercept = -3

$$y = \frac{8}{5}x - 3$$

43) Slope = 0, y-intercept = 1

$$y = 1$$

45) Slope = $-\frac{2}{3}$, y-intercept = -5

$$y = -\frac{2}{3}x - 5$$

47) Slope = $\frac{3}{2}$, y-intercept = 3

$$y = \frac{3}{2}x + 3$$

49) Slope = $-\frac{5}{2}$, y-intercept = -2

$$y = -\frac{5}{2}x - 2$$

51) Slope = $-\frac{1}{3}$, y-intercept = 3

$$y = -\frac{1}{3}x + 3$$

36) Slope = 6, y-intercept = -1

$$y = 6x - 1$$

38) Slope = -2, y-intercept = 3

$$y = -2x + 3$$

40) Slope = $-\frac{2}{3}$, y-intercept = 4

$$y = -\frac{2}{3}x + 4$$

42) Slope = 0, y-intercept = -2

$$y = -2$$

44) Slope = -1, y-intercept = 2

$$y = -x + 2$$

46) Slope = 3, y-intercept = -4

$$y = 3x - 4$$

48) Slope = $-\frac{7}{5}$, y-intercept = -5

$$y = -\frac{7}{5}x - 5$$

50) Slope = $-\frac{1}{3}$, y-intercept = -4

$$y = -\frac{1}{3}x - 4$$

52) Slope = 1, y-intercept = 1

$$y = x + 1$$

53) Slope = $\frac{1}{4}$, y-intercept = -3

$$y = \frac{1}{4}x - 3$$

55) Slope = -5, y-intercept = -5

$$y = -5x - 5$$

57) Slope = $-\frac{1}{2}$, y-intercept = 0

$$y = -\frac{1}{2}x$$

59) Slope = $\frac{4}{5}$, y-intercept = 2

$$y = \frac{4}{5}x + 2$$

61) Slope = 2, y-intercept = -4

$$y = 2x - 4$$

63) Slope = 1, y-intercept = 0

$$y = x$$

65) Slope = 6, y-intercept = 3

$$y = 6x + 3$$

67) Slope = $\frac{1}{5}$, y-intercept = 2

$$y = \frac{1}{5}x + 2$$

69) Slope = -2, y-intercept = -1

$$y = -2x - 1$$

71) Slope = 2, y-intercept = -3

$$y = 2x - 3$$

54) Slope = -3, y-intercept = 5

$$y = -3x + 5$$

56) Slope = 2, y-intercept = -1

$$y = 2x - 1$$

58) Slope = $-\frac{5}{2}$, y-intercept = 5

$$y = -\frac{5}{2}x + 5$$

60) Slope = 2, y-intercept = 4

$$y = 2x + 4$$

62) Slope = -1, y-intercept = -3

$$y = -x - 3$$

64) Slope = $\frac{4}{5}$, y-intercept = -4

$$y = \frac{4}{5}x - 4$$

66) Slope = $\frac{1}{3}$, y-intercept = 5

$$y = \frac{1}{3}x + 5$$

68) Slope = $-\frac{5}{3}$, y-intercept = 1

$$y = -\frac{5}{3}x + 1$$

70) Slope = 2, y-intercept = -2

$$y = 2x - 2$$

72) Slope = -1, y-intercept = 1

$$y = -x + 1$$

73) Slope = 7, y-intercept = -5

$$y = 7x - 5$$

74) Slope = $\frac{1}{3}$, y-intercept = 2

$$y = \frac{1}{3}x + 2$$

75) Slope = $\frac{8}{5}$, y-intercept = 5

$$y = \frac{8}{5}x + 5$$

76) Slope = $-\frac{3}{4}$, y-intercept = 4

$$y = -\frac{3}{4}x + 4$$

77) Slope = $-\frac{7}{4}$, y-intercept = -4

$$y = -\frac{7}{4}x - 4$$

78) Slope = 10, y-intercept = 5

$$y = 10x + 5$$

79) Slope = $\frac{4}{3}$, y-intercept = -1

$$y = \frac{4}{3}x - 1$$

80) Slope = -1, y-intercept = -2

$$y = -x - 2$$

81) Slope = $-\frac{9}{2}$, y-intercept = 4

$$y = -\frac{9}{2}x + 4$$

82) Slope = -4, y-intercept = 3

$$y = -4x + 3$$

83) Slope = $\frac{1}{3}$, y-intercept = -1

$$y = \frac{1}{3}x - 1$$

84) Slope = $-\frac{3}{5}$, y-intercept = 1

$$y = -\frac{3}{5}x + 1$$

85) Slope = $\frac{7}{4}$, y-intercept = -4

$$y = \frac{7}{4}x - 4$$

86) Slope = $-\frac{3}{4}$, y-intercept = -1

$$y = -\frac{3}{4}x - 1$$

87) Slope = $\frac{5}{4}$, y-intercept = 5

$$y = \frac{5}{4}x + 5$$

88) Slope = $-\frac{5}{3}$, y-intercept = 3

$$y = -\frac{5}{3}x + 3$$

89) Slope = $\frac{5}{4}$, y-intercept = -5

$$y = \frac{5}{4}x - 5$$

90) Slope = 3, y-intercept = -5

$$y = 3x - 5$$

91) Slope = 1, y-intercept = -3

$$y = x - 3$$

92) Slope = -2, y-intercept = 0

$$y = -2x$$

93) Slope = $-\frac{3}{5}$, y-intercept = -3

$$y = -\frac{3}{5}x - 3$$

94) Slope = 0, y-intercept = 5

$$y = 5$$

95) Slope = $\frac{1}{2}$, y-intercept = 0

$$y = \frac{1}{2}x$$

96) Slope = $-\frac{3}{5}$, y-intercept = -2

$$y = -\frac{3}{5}x - 2$$

97) Slope = $-\frac{7}{4}$, y-intercept = 4

$$y = -\frac{7}{4}x + 4$$

98) Slope = $\frac{5}{2}$, y-intercept = 2

$$y = \frac{5}{2}x + 2$$

99) Slope = $\frac{1}{4}$, y-intercept = 2

$$y = \frac{1}{4}x + 2$$

100) Slope = $-\frac{2}{3}$, y-intercept = 3

$$y = -\frac{2}{3}x + 3$$

101) $x - y = 1$

$$y = x - 1$$

102) $6x - y = -7$

$$y = 6x + 7$$

103) $y = 4$

$$y = 4$$

104) $4x + y = -8$

$$y = -4x - 8$$

105) $x + 2y = -6$

$$y = -\frac{1}{2}x - 3$$

106) $x - 7y = -14$

$$y = \frac{1}{7}x + 2$$

107) $x + y = -8$

$$y = -x - 8$$

108) $13x - 6y = 30$

$$y = \frac{13}{6}x - 5$$

109) $x + 3y = 18$

$$y = -\frac{1}{3}x + 6$$

110) $y = -1$

$$y = -1$$

$$111) 3x - y = 6$$

$$y = 3x - 6$$

$$112) 10x + y = -4$$

$$y = -10x - 4$$

$$113) x - 6y = 18$$

$$y = \frac{1}{6}x - 3$$

$$114) x = -4$$

$$x = -4$$

$$115) 4x + y = 6$$

$$y = -4x + 6$$

$$116) x + 2y = 4$$

$$y = -\frac{1}{2}x + 2$$

$$117) x = -7$$

$$x = -7$$

$$118) 2x + y = -6$$

$$y = -2x - 6$$

$$119) 7x + 5y = -30$$

$$y = -\frac{7}{5}x - 6$$

$$120) 3x + 8y = 56$$

$$y = -\frac{3}{8}x + 7$$

$$121) 9x - 5y = -20$$

$$y = \frac{9}{5}x + 4$$

$$122) x + 6y = -17$$

$$y = -\frac{1}{6}x - \frac{17}{6}$$

$$123) y = 7$$

$$y = 7$$

$$124) x - 2y = 1$$

$$y = \frac{1}{2}x - \frac{1}{2}$$

$$125) 5x + 4y = 8$$

$$y = -\frac{5}{4}x + 2$$

$$126) 3x - 5y = 44$$

$$y = \frac{3}{5}x - \frac{44}{5}$$

$$127) x - 2y = -8$$

$$y = \frac{1}{2}x + 4$$

$$128) x + y = -6$$

$$y = -x - 6$$

$$129) 3x + y = -3$$

$$y = -3x - 3$$

$$130) 5x - 8y = 64$$

$$y = \frac{5}{8}x - 8$$

$$131) 12x + 5y = -40$$

$$y = -\frac{12}{5}x - 8$$

$$132) 10x + 3y = 18$$

$$y = -\frac{10}{3}x + 6$$

$$133) x - 2y = 2$$

$$y = \frac{1}{2}x - 1$$

$$134) 7x + y = -1$$

$$y = -7x - 1$$

$$135) 4x + 3y = -18$$

$$y = -\frac{4}{3}x - 6$$

$$137) 9x + 5y = 5$$

$$y = -\frac{9}{5}x + 1$$

$$139) 3x - 7y = 28$$

$$y = \frac{3}{7}x - 4$$

$$141) 11x - 5y = -40$$

$$y = \frac{11}{5}x + 8$$

$$143) x + y = 1$$

$$y = -x + 1$$

$$145) 4x + y = -2$$

$$y = -4x - 2$$

$$147) 5x - 7y = 7$$

$$y = \frac{5}{7}x - 1$$

$$149) y = 6$$

$$y = 6$$

$$151) 8x + y = -1$$

$$y = -8x - 1$$

$$153) 11x + 7y = 67$$

$$y = -\frac{11}{7}x + \frac{67}{7}$$

$$155) 10x - 3y = 12$$

$$y = \frac{10}{3}x - 4$$

$$157) 3x + 5y = 30$$

$$y = -\frac{3}{5}x + 6$$

$$136) 7x - y = 8$$

$$y = 7x - 8$$

$$138) 4x + y = -6$$

$$y = -4x - 6$$

$$140) 7x - 4y = -24$$

$$y = \frac{7}{4}x + 6$$

$$142) 4x - 5y = -20$$

$$y = \frac{4}{5}x + 4$$

$$144) 9x - 8y = 24$$

$$y = \frac{9}{8}x - 3$$

$$146) 6x + y = 4$$

$$y = -6x + 4$$

$$148) 11x + 6y = -36$$

$$y = -\frac{11}{6}x - 6$$

$$150) x = 0$$

$$x = 0$$

$$152) 11x - 3y = -12$$

$$y = \frac{11}{3}x + 4$$

$$154) 2x - y = -1$$

$$y = 2x + 1$$

$$156) 3x + 2y = 9$$

$$y = -\frac{3}{2}x + \frac{9}{2}$$

$$158) 8x - 3y = -12$$

$$y = \frac{8}{3}x + 4$$

$$159) 12x + 7y = -56$$

$$y = -\frac{12}{7}x - 8$$

$$161) 2x + y = -4$$

$$y = -2x - 4$$

$$163) x + 4y = -24$$

$$y = -\frac{1}{4}x - 6$$

$$165) 9x + 8y = -48$$

$$y = -\frac{9}{8}x - 6$$

$$167) 6x + 5y = 40$$

$$y = -\frac{6}{5}x + 8$$

$$169) x + 7y = 7$$

$$y = -\frac{1}{7}x + 1$$

$$171) 5x + 7y = 21$$

$$y = -\frac{5}{7}x + 3$$

$$173) x - y = -8$$

$$y = x + 8$$

$$175) 7x + y = 15$$

$$y = -7x + 15$$

$$177) x + 2y = -14$$

$$y = -\frac{1}{2}x - 7$$

$$179) 4x + 9y = 31$$

$$y = -\frac{4}{9}x + \frac{31}{9}$$

$$181) x = 8$$

$$x = 8$$

$$160) x - 6y = 12$$

$$y = \frac{1}{6}x - 2$$

$$162) 7x - y = 1$$

$$y = 7x - 1$$

$$164) 12x + 5y = -20$$

$$y = -\frac{12}{5}x - 4$$

$$166) x + 6y = -12$$

$$y = -\frac{1}{6}x - 2$$

$$168) 3x - y = 8$$

$$y = 3x - 8$$

$$170) 11x - y = 6$$

$$y = 11x - 6$$

$$172) 3x - y = 4$$

$$y = 3x - 4$$

$$174) x = 2$$

$$x = 2$$

$$176) 11x + 7y = 42$$

$$y = -\frac{11}{7}x + 6$$

$$178) 5x - 9y = 23$$

$$y = \frac{5}{9}x - \frac{23}{9}$$

$$180) 3x - 4y = -32$$

$$y = \frac{3}{4}x + 8$$

$$182) x = 7$$

$$x = 7$$

$$183) x - y = 7$$

$$y = x - 7$$

$$184) x - 3y = -24$$

$$y = \frac{1}{3}x + 8$$

$$185) x - 4y = 4$$

$$y = \frac{1}{4}x - 1$$

$$186) x = -3$$

$$x = -3$$

$$187) 2x - 5y = 20$$

$$y = \frac{2}{5}x - 4$$

$$188) 6x + y = 3$$

$$y = -6x + 3$$

$$189) 6x - y = -6$$

$$y = 6x + 6$$

$$190) x - 9y = -46$$

$$y = \frac{1}{9}x + \frac{46}{9}$$

$$191) 11x + 3y = -12$$

$$y = -\frac{11}{3}x - 4$$

$$192) x - 6y = 36$$

$$y = \frac{1}{6}x - 6$$

$$193) x - y = 2$$

$$y = x - 2$$

$$194) 4x - 7y = 28$$

$$y = \frac{4}{7}x - 4$$

$$195) 7x - 6y = 42$$

$$y = \frac{7}{6}x - 7$$

$$196) 16x + 7y = 56$$

$$y = -\frac{16}{7}x + 8$$

$$197) 2x + y = -2$$

$$y = -2x - 2$$

$$198) 3x - 5y = 20$$

$$y = \frac{3}{5}x - 4$$

$$199) x - 5y = -5$$

$$y = \frac{1}{5}x + 1$$

$$200) 3x + 8y = 24$$

$$y = -\frac{3}{8}x + 3$$

$$201) -x + \frac{25}{8} = \frac{5}{8}y$$

$$y = -\frac{8}{5}x + 5$$

$$202) y + 3 = 4x$$

$$y = 4x - 3$$

$$203) -6x + 15y = -60$$

$$y = \frac{2}{5}x - 4$$

$$204) \frac{4}{3} = -x - \frac{2}{3}y$$

$$y = -\frac{3}{2}x - 2$$

$$205) -3y = -5x$$

$$y = \frac{5}{3}x$$

$$206) -1 - \frac{1}{5}y = \frac{7}{10}x$$

$$y = -\frac{7}{2}x - 5$$

$$207) 8 = x - 4y$$

$$y = \frac{1}{4}x - 2$$

$$208) 3x = 4 - 2y$$

$$y = -\frac{3}{2}x + 2$$

$$209) y - \frac{5}{4}x = -1$$

$$y = \frac{5}{4}x - 1$$

$$210) 7x = -2 + y$$

$$y = 7x + 2$$

$$211) 5x = -2 + 2y$$

$$y = \frac{5}{2}x + 1$$

$$212) x = y$$

$$y = x$$

$$213) -x = -\frac{5}{2}y + \frac{5}{2}$$

$$y = \frac{2}{5}x + 1$$

$$214) -7 + x = y$$

$$y = x - 7$$

$$215) -3x = 2y - 8$$

$$y = -\frac{3}{2}x + 4$$

$$216) 0 = y + 5 - x$$

$$y = x - 5$$

$$217) -15 = -x - 5y$$

$$y = -\frac{1}{5}x + 3$$

$$218) 7y = -2x - 20$$

$$y = -\frac{2}{7}x - \frac{20}{7}$$

$$219) -1 - y = -2x$$

$$y = 2x - 1$$

$$220) 6x - 10 = 5y$$

$$y = \frac{6}{5}x - 2$$

$$221) 2y - 3x = -2$$

$$y = \frac{3}{2}x - 1$$

$$222) 1 = \frac{1}{3}x$$

$$x = 3$$

$$223) x + \frac{1}{2} = -\frac{9}{8}y$$

$$y = -\frac{8}{9}x - \frac{4}{9}$$

$$224) -x = -1 - \frac{3}{5}y$$

$$y = \frac{5}{3}x - \frac{5}{3}$$

$$225) 2 - y = 0$$

$$y = 2$$

$$226) x + y = 3$$

$$y = -x + 3$$

$$227) 4 - y + x = 0$$

$$y = x + 4$$

$$228) 3x + 9y = 0$$

$$y = -\frac{1}{3}x$$

$$229) -y - 4x = 4$$

$$y = -4x - 4$$

$$230) -8 = -2y + 3x$$

$$y = \frac{3}{2}x + 4$$

$$231) -3x = 8 + 2y$$

$$y = -\frac{3}{2}x - 4$$

$$232) 36 = -3x + 12y$$

$$y = \frac{1}{4}x + 3$$

$$233) -6x + 2y + 6 = 0$$

$$y = 3x - 3$$

$$234) 0 = -15 - 3y + 10x$$

$$y = \frac{10}{3}x - 5$$

$$235) x = \frac{1}{3}y + \frac{2}{3}$$

$$y = 3x - 2$$

$$236) 0 = -7x + 5y + 15$$

$$y = \frac{7}{5}x - 3$$

$$237) 4x = -10y$$

$$y = -\frac{2}{5}x$$

$$238) 12x = 2 - 2y$$

$$y = -6x + 1$$

$$239) y - 2x = 3$$

$$y = 2x + 3$$

$$240) -4x - 4 = -y$$

$$y = 4x + 4$$

$$241) 0 = -5 + 5y + 4x$$

$$y = -\frac{4}{5}x + 1$$

$$242) 0 = -x - 6 + 2y$$

$$y = \frac{1}{2}x + 3$$

$$243) 5 + 4x = y$$

$$y = 4x + 5$$

$$244) 15 - 3y - 9x = 0$$

$$y = -3x + 5$$

$$245) \frac{1}{4}y = 1 + \frac{7}{20}x$$

$$y = \frac{7}{5}x + 4$$

$$246) -\frac{2}{5}x = -1 + \frac{1}{2}y$$

$$y = -\frac{4}{5}x + 2$$

$$247) 0 = 2y + 6 - x$$

$$y = \frac{1}{2}x - 3$$

$$249) -3x + 6 + 9y = 0$$

$$y = \frac{1}{3}x - \frac{2}{3}$$

$$251) 0 = 15 + 4y + 3x$$

$$y = -\frac{3}{4}x - \frac{15}{4}$$

$$253) x - \frac{5}{4}y + \frac{5}{4} = 0$$

$$y = \frac{4}{5}x + 1$$

$$255) -3 = -x - 3y$$

$$y = -\frac{1}{3}x + 1$$

$$257) -4x - 5y = 10$$

$$y = -\frac{4}{5}x - 2$$

$$259) -x - \frac{12}{5} = -\frac{4}{5}y$$

$$y = \frac{5}{4}x + 3$$

$$261) -y = 4$$

$$y = -4$$

$$263) -1 = y + x$$

$$y = -x - 1$$

$$265) 0 = 5y - 2x$$

$$y = \frac{2}{5}x$$

$$267) 2x = y$$

$$y = 2x$$

$$248) -x = 4y + 4$$

$$y = -\frac{1}{4}x - 1$$

$$250) 4x = -1 - y$$

$$y = -4x - 1$$

$$252) 2 + x = y$$

$$y = x + 2$$

$$254) -15 - 7x + 5y = 0$$

$$y = \frac{7}{5}x + 3$$

$$256) 5x = 5 - y$$

$$y = -5x + 5$$

$$258) 0 = -1 - \frac{1}{5}y - \frac{7}{25}x$$

$$y = -\frac{7}{5}x - 5$$

$$260) -16 = 4y - 6x$$

$$y = \frac{3}{2}x - 4$$

$$262) -15 = x + 3y$$

$$y = -\frac{1}{3}x - 5$$

$$264) -y - 1 = -6x$$

$$y = 6x - 1$$

$$266) 2y - 2 = 0$$

$$y = 1$$

$$268) -6 - 3y - x = 0$$

$$y = -\frac{1}{3}x - 2$$

$$269) 36 + 12y = -15x$$

$$y = -\frac{5}{4}x - 3$$

$$271) -x + \frac{8}{5} = \frac{2}{5}y$$

$$y = -\frac{5}{2}x + 4$$

$$273) -14x = 6y + 58$$

$$y = -\frac{7}{3}x - \frac{29}{3}$$

$$275) -23 - 3y = 7x$$

$$y = -\frac{7}{3}x - \frac{23}{3}$$

$$277) -1 + \frac{4}{5}y = x$$

$$y = \frac{5}{4}x + \frac{5}{4}$$

$$279) 2x = -8 - 3y$$

$$y = -\frac{2}{3}x - \frac{8}{3}$$

$$281) -3y + 5x = -3$$

$$y = \frac{5}{3}x + 1$$

$$283) -x - 8 = -2y$$

$$y = \frac{1}{2}x + 4$$

$$285) 3x + \frac{15}{2} = -\frac{3}{2}y$$

$$y = -2x - 5$$

$$287) 5y = -20 + x$$

$$y = \frac{1}{5}x - 4$$

$$289) 0 = x - 4 - 2y$$

$$y = \frac{1}{2}x - 2$$

$$270) -12y + 36 = -21x$$

$$y = \frac{7}{4}x + 3$$

$$272) -11 + 9y = -5x$$

$$y = -\frac{5}{9}x + \frac{11}{9}$$

$$274) 2x = -5y - 10$$

$$y = -\frac{2}{5}x - 2$$

$$276) -7 = 9y + 5x$$

$$y = -\frac{5}{9}x - \frac{7}{9}$$

$$278) 6x = 10y$$

$$y = \frac{3}{5}x$$

$$280) 0 = 4x - 3y$$

$$y = \frac{4}{3}x$$

$$282) -4 + x = 0$$

$$x = 4$$

$$284) -5y = -x - 10$$

$$y = \frac{1}{5}x + 2$$

$$286) 15 = x + 3y$$

$$y = -\frac{1}{3}x + 5$$

$$288) 2y = 5x$$

$$y = \frac{5}{2}x$$

$$290) 9x = 2y - 8$$

$$y = \frac{9}{2}x + 4$$

$$291) x = 1 + y$$

$$y = x - 1$$

$$292) 0 = x - 1$$

$$x = 1$$

$$293) y - 1 = 2x$$

$$y = 2x + 1$$

$$294) -y = -3x + 4$$

$$y = 3x - 4$$

$$295) 2y + 10 = 3x$$

$$y = \frac{3}{2}x - 5$$

$$296) 0 = -x - 19 - 5y$$

$$y = -\frac{1}{5}x - \frac{19}{5}$$

$$297) -\frac{6}{5} = -x + \frac{3}{5}y$$

$$y = \frac{5}{3}x - 2$$

$$298) -8y = 8 - 2x$$

$$y = \frac{1}{4}x - 1$$

$$299) 1 - \frac{7}{16}x = \frac{3}{16}y$$

$$y = -\frac{7}{3}x + \frac{16}{3}$$

$$300) -x + 1 = y$$

$$y = -x + 1$$

$$301) \text{ through: } (-1, -5) \text{ and } (0, 1)$$

$$y = 6x + 1$$

$$302) \text{ through: } (1, 5) \text{ and } (0, 4)$$

$$y = x + 4$$

$$303) \text{ through: } (0, 3) \text{ and } (-4, 2)$$

$$y = \frac{1}{4}x + 3$$

$$304) \text{ through: } (0, 5) \text{ and } (-5, -4)$$

$$y = \frac{9}{5}x + 5$$

$$305) \text{ through: } (-2, 1) \text{ and } (0, 4)$$

$$y = \frac{3}{2}x + 4$$

$$306) \text{ through: } (0, -4) \text{ and } (-1, -1)$$

$$y = -3x - 4$$

$$307) \text{ through: } (3, 3) \text{ and } (0, 5)$$

$$y = -\frac{2}{3}x + 5$$

$$308) \text{ through: } (0, 3) \text{ and } (4, -3)$$

$$y = -\frac{3}{2}x + 3$$

$$309) \text{ through: } (-2, 1) \text{ and } (-1, -2)$$

$$y = -3x - 5$$

$$310) \text{ through: } (-2, -5) \text{ and } (2, -1)$$

$$y = x - 3$$

$$311) \text{ through: } (-2, 0) \text{ and } (-2, -2)$$

$$x = -2$$

$$312) \text{ through: } (-4, -4) \text{ and } (-1, -3)$$

$$y = \frac{1}{3}x - \frac{8}{3}$$

313) through: $(-1, 4)$ and $(2, -3)$

$$y = -\frac{7}{3}x + \frac{5}{3}$$

315) through: $(-2, -1)$ and $(-5, -2)$

$$y = \frac{1}{3}x - \frac{1}{3}$$

317) through: $(-2, 5)$ and $(-3, 4)$

$$y = x + 7$$

319) through: $(5, 1)$ and $(-2, -1)$

$$y = \frac{2}{7}x - \frac{3}{7}$$

321) through: $(-3, -3)$ and $(-5, -5)$

$$y = x$$

323) through: $(-2, 2)$ and $(2, -5)$

$$y = -\frac{7}{4}x - \frac{3}{2}$$

325) through: $(5, -2)$ and $(-4, -1)$

$$y = -\frac{1}{9}x - \frac{13}{9}$$

327) through: $(1, -4)$ and $(0, -1)$

$$y = -3x - 1$$

329) through: $(4, -2)$ and $(0, -1)$

$$y = -\frac{1}{4}x - 1$$

331) through: $(0, 2)$ and $(2, 4)$

$$y = x + 2$$

333) through: $(-3, -5)$ and $(0, 4)$

$$y = 3x + 4$$

335) through: $(0, 4)$ and $(4, 3)$

$$y = -\frac{1}{4}x + 4$$

314) through: $(1, -2)$ and $(1, 1)$

$$x = 1$$

316) through: $(0, 3)$ and $(-3, -1)$

$$y = \frac{4}{3}x + 3$$

318) through: $(3, 5)$ and $(3, -3)$

$$x = 3$$

320) through: $(-3, 1)$ and $(4, 2)$

$$y = \frac{1}{7}x + \frac{10}{7}$$

322) through: $(-3, 2)$ and $(-2, -4)$

$$y = -6x - 16$$

324) through: $(-1, -5)$ and $(-4, 0)$

$$y = -\frac{5}{3}x - \frac{20}{3}$$

326) through: $(-3, 5)$ and $(3, -4)$

$$y = -\frac{3}{2}x + \frac{1}{2}$$

328) through: $(-5, 2)$ and $(0, -2)$

$$y = -\frac{4}{5}x - 2$$

330) through: $(0, 0)$ and $(-3, 1)$

$$y = -\frac{1}{3}x$$

332) through: $(-1, 0)$ and $(0, 3)$

$$y = 3x + 3$$

334) through: $(0, 1)$ and $(5, -3)$

$$y = -\frac{4}{5}x + 1$$

336) through: $(-5, -4)$ and $(0, 3)$

$$y = \frac{7}{5}x + 3$$

337) through: $(-5, 2)$ and $(0, -5)$

$$y = -\frac{7}{5}x - 5$$

339) through: $(0, -5)$ and $(-3, 5)$

$$y = -\frac{10}{3}x - 5$$

341) through: $(4, -2)$ and $(0, 0)$

$$y = -\frac{1}{2}x$$

343) through: $(5, -1)$ and $(0, 5)$

$$y = -\frac{6}{5}x + 5$$

345) through: $(0, 1)$ and $(4, 0)$

$$y = -\frac{1}{4}x + 1$$

347) through: $(2, 5)$ and $(3, -5)$

$$y = -10x + 25$$

349) through: $(4, -2)$ and $(-5, 4)$

$$y = -\frac{2}{3}x + \frac{2}{3}$$

351) through: $(1, -3)$ and $(2, -3)$

$$y = -3$$

353) through: $(0, -2)$ and $(-2, 0)$

$$y = -x - 2$$

355) through: $(-5, -4)$ and $(0, -1)$

$$y = \frac{3}{5}x - 1$$

357) through: $(3, 4)$ and $(-3, -3)$

$$y = \frac{7}{6}x + \frac{1}{2}$$

359) through: $(0, 1)$ and $(-3, 2)$

$$y = -\frac{1}{3}x + 1$$

338) through: $(1, -3)$ and $(5, -4)$

$$y = -\frac{1}{4}x - \frac{11}{4}$$

340) through: $(5, -4)$ and $(-5, -1)$

$$y = -\frac{3}{10}x - \frac{5}{2}$$

342) through: $(5, 4)$ and $(-3, -3)$

$$y = \frac{7}{8}x - \frac{3}{8}$$

344) through: $(4, 2)$ and $(-5, 2)$

$$y = 2$$

346) through: $(4, 1)$ and $(-5, 3)$

$$y = -\frac{2}{9}x + \frac{17}{9}$$

348) through: $(4, -5)$ and $(-4, 0)$

$$y = -\frac{5}{8}x - \frac{5}{2}$$

350) through: $(-2, 5)$ and $(3, 2)$

$$y = -\frac{3}{5}x + \frac{19}{5}$$

352) through: $(1, 4)$ and $(0, -2)$

$$y = 6x - 2$$

354) through: $(4, 0)$ and $(-1, 4)$

$$y = -\frac{4}{5}x + \frac{16}{5}$$

356) through: $(3, 3)$ and $(0, -1)$

$$y = \frac{4}{3}x - 1$$

358) through: $(0, 1)$ and $(-4, 1)$

$$y = 1$$

360) through: $(2, -2)$ and $(0, 2)$

$$y = -2x + 2$$

361) through: (0, 3) and (-2, -5)

$$y = 4x + 3$$

362) through: (5, -5) and (3, 0)

$$y = -\frac{5}{2}x + \frac{15}{2}$$

363) through: (-4, 2) and (0, 5)

$$y = \frac{3}{4}x + 5$$

364) through: (-4, 1) and (0, -5)

$$y = -\frac{3}{2}x - 5$$

365) through: (4, 1) and (0, -5)

$$y = \frac{3}{2}x - 5$$

366) through: (0, 5) and (-4, -4)

$$y = \frac{9}{4}x + 5$$

367) through: (-4, 1) and (0, 2)

$$y = \frac{1}{4}x + 2$$

368) through: (4, -4) and (0, 2)

$$y = -\frac{3}{2}x + 2$$

369) through: (3, -3) and (0, 5)

$$y = -\frac{8}{3}x + 5$$

370) through: (2, -1) and (0, 3)

$$y = -2x + 3$$

371) through: (0, -2) and (4, 3)

$$y = \frac{5}{4}x - 2$$

372) through: (0, 5) and (2, 1)

$$y = -2x + 5$$

373) through: (-4, -2) and (1, -4)

$$y = -\frac{2}{5}x - \frac{18}{5}$$

374) through: (-1, 3) and (-2, 4)

$$y = -x + 2$$

375) through: (4, -1) and (4, 4)

$$x = 4$$

376) through: (0, -3) and (-5, 0)

$$y = -\frac{3}{5}x - 3$$

377) through: (-1, -3) and (0, 5)

$$y = 8x + 5$$

378) through: (-3, -5) and (-1, 5)

$$y = 5x + 10$$

379) through: (-1, -4) and (-2, -1)

$$y = -3x - 7$$

380) through: (5, 3) and (-1, -1)

$$y = \frac{2}{3}x - \frac{1}{3}$$

381) through: (-4, -3) and (-4, -2)

$$x = -4$$

382) through: (-1, -4) and (1, 3)

$$y = \frac{7}{2}x - \frac{1}{2}$$

383) through: (0, -2) and (1, -2)

$$y = -2$$

384) through: (0, -2) and (3, 3)

$$y = \frac{5}{3}x - 2$$

385) through: (3, -2) and (0, 1)

$$y = -x + 1$$

386) through: (0, 0) and (5, 2)

$$y = \frac{2}{5}x$$

387) through: (-1, 4) and (0, 1)

$$y = -3x + 1$$

388) through: (-3, -4) and (-3, 4)

$$x = -3$$

389) through: (0, 0) and (-3, -5)

$$y = \frac{5}{3}x$$

390) through: (3, -4) and (-2, 2)

$$y = -\frac{6}{5}x - \frac{2}{5}$$

391) through: (0, 2) and (4, -3)

$$y = -\frac{5}{4}x + 2$$

392) through: (-3, 0) and (0, 4)

$$y = \frac{4}{3}x + 4$$

393) through: (-4, -1) and (0, -5)

$$y = -x - 5$$

394) through: (3, -4) and (0, 4)

$$y = -\frac{8}{3}x + 4$$

395) through: (-5, -3) and (-3, 1)

$$y = 2x + 7$$

396) through: (-1, -2) and (-4, 1)

$$y = -x - 3$$

397) through: (3, 3) and (0, -5)

$$y = \frac{8}{3}x - 5$$

398) through: (1, -1) and (-5, -5)

$$y = \frac{2}{3}x - \frac{5}{3}$$

399) through: (-4, 4) and (2, -3)

$$y = -\frac{7}{6}x - \frac{2}{3}$$

400) through: (5, -2) and (-5, -3)

$$y = \frac{1}{10}x - \frac{5}{2}$$