Writing linear equations - standard

Use the data obtained from the graph and write the standard form of equation of each line.

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

2) Slope = 2, y-intercept = 0

3) Slope = 1, y-intercept = 2

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

5) Slope = –7, y-intercept = –4

6) Slope = –1, y-intercept = 5

7) Slope = $\frac{6}{5}$, y-intercept = –2

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

9) Slope = –2, y-intercept = 1

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

11) Slope = –9, y-intercept = 4

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

13) Slope = –3, y-intercept = –3

14) Slope = 1, y-intercept = –2

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

16) Slope = 1, y-intercept = –5

17) Slope = –8, y-intercept = 4

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

19) Slope = –4, y-intercept = –2

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

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

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

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

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

25) Slope = –1, y-intercept = –4

26) Slope = 1, y-intercept = 1

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

28) Slope = –2, y-intercept = 4

29) Slope = 1, y-intercept = 3

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

31) Slope = –4, y-intercept = –5

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

33) Slope = 2, y-intercept = –4

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

35) Slope = 2, y-intercept = 3

36) Slope = 6, y-intercept = –2

37) Slope = 7, y-intercept = 3

38) Slope = 2, y-intercept = 5

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

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

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

42) Slope = 0, y-intercept = 1

43) Slope = $\frac{1}{5}$, y-intercept = –1

44) Slope = 6, y-intercept = –5

45) Slope = –2, y-intercept = –4

46) Slope = $-\frac{5}{3}$, y-intercept = 4

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

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

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

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

51) Slope = $\frac{4}{3}$, y-intercept = –5

52) Slope = –1, y-intercept = –2

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

54) Slope = 3, y-intercept = 0

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

56) Slope = –6, y-intercept = 4

57) Slope = 3, y-intercept = 5

58) Slope = –1, y-intercept = –1

59) Slope = 3, y-intercept = –5

60) Slope = –8, y-intercept = –3

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

62) Slope = –6, y-intercept = 3

63) Slope = $-\frac{5}{2}$, y-intercept = 0

64) Slope = 3, y-intercept = 2

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

66) Slope = –8, y-intercept = 5

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

68) Slope = $-\frac{3}{2}$, y-intercept = 0

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

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

71) Slope = 0, y-intercept = 2

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

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

74) Slope = –5, y-intercept = –1

75) Slope = 3, y-intercept = –3

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

77) Slope = 1, y-intercept = –3

78) Slope = $\frac{1}{5}$, y-intercept = –5

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

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

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

82) Slope = 1, y-intercept = 4

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

84) Slope = –5, y-intercept = –4

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

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

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

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

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

90) Slope = –3, y-intercept = –4

91) Slope = –4, y-intercept = –1

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

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

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

95) Slope = $-\frac{3}{4}$, y-intercept = –5

96) Slope = 0, y-intercept = –3

97) Slope = 0, y-intercept = –1

98) Slope = $-\frac{1}{4}$, y-intercept = 0

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

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

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

102) $y = \frac{1}{2}x + 6$

103) $y = -2x + 3$

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

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

106) $y = -x$

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

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

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

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

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

112) $y = x + 5$

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

114) $y = -\frac{11}{4}x + 5$

115) $y = -8x + 5$

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

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

118) $y = 6x$

119) $y = x + 2$

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

121) $y = -x - 3$

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

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

124) $y = 4$

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

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

127) $x = -3$

128) $x = 4$

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

130) $y = -2x + 1$

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

132) $y = -x - 2$

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

134) $y = \frac{5}{6}x + 1$

135) $y = \frac{9}{5}x - 4$

136) $y = 4x + 6$

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

138) $y = -x + 6$

139) $y = \frac{6}{5}x + 4$

140) $y = \frac{7}{5}x + 6$

141) $y = x + 1$

142) $y = -9x + 3$

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

144) $y = 4x + 1$

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

146) $y = \frac{3}{2}x$

147) $y = -2x - 2$

148) $y = 4x - 5$

149) $y = -\frac{7}{6}x - 2$

150) $y = -4x - 5$

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

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

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

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

155) $x = 3$

156) $y = \frac{6}{5}x + 5$

157) $x = 1$

158) $y = 2$

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

160) $y = 3x - 3$

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

162) $y = -x - 6$

163) $y = 4x + 5$

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

165) $y = 4x - 3$

166) $y = 6x - 6$

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

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

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

170) $y = -2x + 2$

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

172) $y = -4x + 1$

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

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

175) $y = 3x - 1$

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

177) $y = -x - 4$

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

179) $y = -2x + 6$

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

181) $y = \frac{4}{3}x + 6$

182) $y = x + 3$

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

184) $y = -2$

185) $y = 0$

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

187) $x = -5$

188) $y = 6x - 5$

189) $y = x - 2$

190) $y = -3x - 5$

191) $y = 5x + 5$

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

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

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

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

196) $y = \frac{1}{6}x$

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

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

199) $y = -4x - 3$

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

201) $-3x - 8 = -2y$

202) $0 = 20 - 6x - 5y$

203) $-1 + x = \frac{1}{5}y$

204) $0 = 2 - \frac{16}{3}x - \frac{2}{3}y$

205) $4y + 6x = -20$

206) $-4 + 2x - y = 0$

207) $-4y = x + 16$

208) $-3y = 9 - 9x$

209) $0 = 3 + y$

210) $12x = 15y + 15$

211) $0 = 12x - 15y$

212) $5y - x = -5$

213) $-2 + 2y = -x$

214) $3x = -5y + 5$

215) $-2x - 3 + y = 0$

216) $0 = -3 + y$

217) $4 = y + 5x$

218) $20 = -7x + 5y$

219) $15 - 3y + 8x = 0$

220) $\frac{1}{6}y = -x + \frac{5}{6}$

221) $-18x + 22 = 8y$

222) $-5y = 19 - 3x$

223) $3x + \frac{24}{5} = -\frac{6}{5}y$

224) $6x = -9y$

225) $-3 + 9x = -3y$

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

227) $0 = 2 + \frac{4}{9}y + \frac{10}{9}x$

228) $2 = y - x$

229) $0 = -3y + x + 9$

230) $-3y + 15 = -9x$

231) $-4 = -y - 4x$

232) $25 - 9x = -5y$

233) $x - y - 4 = 0$

234) $-15 = -6x + 3y$

235) $-3y = 6 - x$

236) $-4 - y = \frac{7}{5}x$

237) $y = -x - 1$

238) $-5 - x - 5y = 0$

239) $-y = -5$

240) $-5x - y = 0$

241) $-10x = 16 - 8y$

242) $2y + 8x = 6$

243) $0 = 4y - 12 - x$

244) $x - \frac{2}{7} - \frac{1}{7}y = 0$

245) $-y = -4$

246) $-15y + 3x = -60$

247) $-5 = -x$

248) $15 = 2x - 5y$

249) $14 = x - 3y$

250) $7y + 12 = 8x$

251) $-5 = -2x + 5y$

252) $-2y = -5x$

253) $-x = y$

254) $19 + 4x = -7y$

255) $4y - 4 = 3x$

256) $x + \frac{3}{5} = \frac{3}{5}y$

257) $2 - y = 2x$

258) $-5y + 2x + 20 = 0$

259) $-10x - 4y + 16 = 0$

260) $-y + 5 = x$

261) $3x = 4y + 20$

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

263) $0 = 1 + \frac{4}{3}x - \frac{1}{3}y$

264) $-3 = y - 4x$

265) $2x + 3 = -y$

266) $-5y - 10 = -x$

267) $1 + y = -3x$

268) $-x - 2 = 0$

269) $-9y = -6x + 9$

270) $5y = 2x + 5$

271) $2 = y - 3x$

272) $-3x = 3y - 3$

273) $-4y = -16 - 3x$

274) $-\frac{1}{2}y = -1 + \frac{1}{10}x$

275) $-2x = -5y - 25$

276) $2x = \frac{18}{5} - \frac{6}{5}y$

277) $-6 = -3x - 2y$

278) $0 = -4 - 2y - 4x$

279) $-1 + \frac{1}{5}y - \frac{1}{5}x = 0$

280) $12y + 3x = -24$

281) $-x - 1 = 0$

282) $1 = -6x + y$

283) $-9x + 6 = 3y$

284) $0 = 3 - x - y$

285) $-20 + 7x = -5y$

286) $-12 - 3x - 3y = 0$

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

288) $-y = -2x + 3$

289) $9x = 6y + 12$

290) $-y = 2 - x$

291) $-3y = x$

292) $0 = 4 - 4y - x$

293) $4 + x = 2y$

294) $2y = 8 - 4x$

295) $5 - y = -5x$

296) $60 = -12y - 3x$

297) $-10x - 5 = 7y$

298) $5x + 21 = -4y$

299) $0 = y + 2$

300) $4 = 7y - 5x$

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

302) through: $(4, 2)$ and $(1, 2)$

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

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

305) through: $(0, -1)$ and $(3, 4)$

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

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

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

309) through: $(2, -5)$ and $(0, 1)$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

324) through: $(0, -5)$ and $(-1, -2)$

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

326) through: $(3, 1)$ and $(0, -4)$

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

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

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

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

331) through: $(-3, -1)$ and $(4, 0)$

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

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

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

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

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

337) through: $(5, 4)$ and $(-4, 5)$

338) through: $(-4, 2)$ and $(2, 4)$

339) through: $(-4, -5)$ and $(4, 5)$

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

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

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

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

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

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

346) through: $(0, -1)$ and $(-2, -5)$

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

348) through: $(0, 1)$ and $(1, 2)$

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

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

351) through: $(0, 3)$ and $(2, 1)$

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

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

354) through: $(0, 5)$ and $(4, 0)$

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

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

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

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

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

360) through: $(1, 0)$ and $(3, 2)$

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

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

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

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

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

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

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

368) through: $(0, 4)$ and $(3, -1)$

369) through: $(-4, 4)$ and $(2, 4)$

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

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

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

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

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

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

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

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

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

379) through: $(5, 0)$ and $(0, 4)$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

398) through: $(-3, 3)$ and $(1, -3)$

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

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

Writing linear equations - standard

Use the data obtained from the graph and write the standard form of equation of each line.

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

$2x + 3y = -6$

2) Slope = 2, y-intercept = 0

$2x - y = 0$

3) Slope = 1, y-intercept = 2

$x - y = -2$

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

$x - 2y = -6$

5) Slope = –7, y-intercept = –4

$7x + y = -4$

6) Slope = –1, y-intercept = 5

$x + y = 5$

7) Slope = $\frac{6}{5}$, y-intercept = –2

$6x - 5y = 10$

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

$5x - 2y = 2$

9) Slope = –2, y-intercept = 1

$2x + y = 1$

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

$8x + 5y = 15$

11) Slope = –9, y-intercept = 4

$9x + y = 4$

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

$x + 3y = -12$

13) Slope = –3, y-intercept = –3

$3x + y = -3$

14) Slope = 1, y-intercept = –2

$x - y = 2$

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

$3x - 4y = -4$

16) Slope = 1, y-intercept = –5

$x - y = 5$

17) Slope = –8, y-intercept = 4

$8x + y = 4$

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

$5x + 2y = 6$

19) Slope = –4, y-intercept = –2

$4x + y = -2$

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

$3x + 5y = 0$

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

$x + 3y = 9$

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

$5x - 2y = 8$

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

$5x - 3y = -15$

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

$x - 2y = 6$

25) Slope = –1, y-intercept = –4

$x + y = -4$

26) Slope = 1, y-intercept = 1

$x - y = -1$

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

$3x + 4y = -4$

28) Slope = –2, y-intercept = 4

$2x + y = 4$

29) Slope = 1, y-intercept = 3

$x - y = -3$

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

$3x + 5y = -15$

31) Slope = –4, y-intercept = –5

$4x + y = -5$

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

$x - 4y = -4$

33) Slope = 2, y-intercept = –4

$2x - y = 4$

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

$8x + 3y = -15$

35) Slope = 2, y-intercept = 3

$2x - y = -3$

36) Slope = 6, y-intercept = –2

$6x - y = 2$

37) Slope = 7, y-intercept = 3

$7x - y = -3$

38) Slope = 2, y-intercept = 5

$2x - y = -5$

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

$5x + 3y = 0$

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

$x - 3y = 12$

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

$x + 2y = -6$

42) Slope = 0, y-intercept = 1

$y = 1$

43) Slope = $\frac{1}{5}$, y-intercept = –1

$x - 5y = 5$

44) Slope = 6, y-intercept = –5

$6x - y = 5$

45) Slope = –2, y-intercept = –4

$2x + y = -4$

46) Slope = $-\frac{5}{3}$, y-intercept = 4

$5x + 3y = 12$

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

$3x - 4y = 4$

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

$3x + 4y = 0$

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

$3x + 4y = 8$

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

$x - 4y = -16$

51) Slope = $\frac{4}{3}$, y-intercept = –5

$4x - 3y = 15$

52) Slope = –1, y-intercept = –2

$x + y = -2$

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

$x - 5y = 20$

54) Slope = 3, y-intercept = 0

$3x - y = 0$

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

$3x + 5y = 5$

56) Slope = –6, y-intercept = 4

$6x + y = 4$

57) Slope = 3, y-intercept = 5

$3x - y = -5$

58) Slope = –1, y-intercept = –1

$x + y = -1$

59) Slope = 3, y-intercept = –5

$3x - y = 5$

60) Slope = –8, y-intercept = –3

$8x + y = -3$

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

$4x - 5y = 5$

62) Slope = –6, y-intercept = 3

$6x + y = 3$

63) Slope = $-\frac{5}{2}$, y-intercept = 0

$5x + 2y = 0$

64) Slope = 3, y-intercept = 2

$3x - y = -2$

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

$8x + 5y = 20$

66) Slope = –8, y-intercept = 5

$8x + y = 5$

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

$2x + 3y = -9$

68) Slope = $-\frac{3}{2}$, y-intercept = 0

$3x + 2y = 0$

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

$6x + 5y = -15$

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

$2x + 3y = 9$

71) Slope = 0, y-intercept = 2

$y = 2$

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

$2x + 5y = 25$

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

$7x + 5y = -20$

74) Slope = –5, y-intercept = –1

$5x + y = -1$

75) Slope = 3, y-intercept = –3

$3x - y = 3$

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

$9x - 2y = -8$

77) Slope = 1, y-intercept = –3

$x - y = 3$

78) Slope = $\frac{1}{5}$, y-intercept = –5

$x - 5y = 25$

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

$x - 3y = 6$

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

$x + 2y = 0$

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

$5x - 2y = -4$

82) Slope = 1, y-intercept = 4

$x - y = -4$

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

$5x + 3y = 15$

84) Slope = –5, y-intercept = –4

$5x + y = -4$

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

$3x - 2y = 2$

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

$3x + 5y = -10$

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

$x + 2y = 4$

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

$x - 5y = -15$

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

$x - 2y = -8$

90) Slope = –3, y-intercept = –4

$3x + y = -4$

91) Slope = –4, y-intercept = –1

$4x + y = -1$

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

$5x - 3y = -3$

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

$5x + 3y = 6$

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

$7x - 4y = -16$

95) Slope = $-\frac{3}{4}$, y-intercept = –5

$3x + 4y = -20$

96) Slope = 0, y-intercept = –3

$y = -3$

97) Slope = 0, y-intercept = –1

$y = -1$

98) Slope = $-\frac{1}{4}$, y-intercept = 0

$x + 4y = 0$

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

$2x + 5y = 10$

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

$x - 3y = -9$

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

$x + 4y = 0$

102) $y = \frac{1}{2}x + 6$

$x - 2y = -12$

103) $y = -2x + 3$

$2x + y = 3$

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

$2x + 5y = 15$

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

$4x - 3y = 0$

106) $y = -x$

$x + y = 0$

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

$5x - 2y = 4$

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

$x + 5y = -10$

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

$3x - 2y = 10$

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

$x + 3y = -9$

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

$3x + 2y = -10$

112) $y = x + 5$

$x - y = -5$

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

$x + 3y = -15$

114) $y = -\frac{11}{4}x + 5$

$11x + 4y = 20$

115) $y = -8x + 5$

$8x + y = 5$

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

$x - 3y = -6$

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

$x + 4y = 8$

118) $y = 6x$

$6x - y = 0$

119) $y = x + 2$

$x - y = -2$

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

$4x - 5y = 5$

121) $y = -x - 3$

$x + y = -3$

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

$x - 2y = 2$

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

$2x + 5y = -30$

124) $y = 4$

$y = 4$

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

$11x - 6y = 36$

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

$2x + 5y = -20$

127) $x = -3$

$x = -3$

128) $x = 4$

$x = 4$

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

$x - 2y = -2$

130) $y = -2x + 1$

$2x + y = 1$

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

$x + 4y = 16$

132) $y = -x - 2$

$x + y = -2$

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

$x + 3y = -3$

134) $y = \frac{5}{6}x + 1$

$5x - 6y = -6$

135) $y = \frac{9}{5}x - 4$

$9x - 5y = 20$

136) $y = 4x + 6$

$4x - y = -6$

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

$5x + 3y = -12$

138) $y = -x + 6$

$x + y = 6$

139) $y = \frac{6}{5}x + 4$

$6x - 5y = -20$

140) $y = \frac{7}{5}x + 6$

$7x - 5y = -30$

141) $y = x + 1$

$x - y = -1$

142) $y = -9x + 3$

$9x + y = 3$

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

$x - 5y = -15$

144) $y = 4x + 1$

$4x - y = -1$

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

$x - 2y = 4$

146) $y = \frac{3}{2}x$

$3x - 2y = 0$

147) $y = -2x - 2$

$2x + y = -2$

148) $y = 4x - 5$

$4x - y = 5$

149) $y = -\frac{7}{6}x - 2$

$7x + 6y = -12$

150) $y = -4x - 5$

$4x + y = -5$

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

$11x + 5y = 25$

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

$2x - 3y = -9$

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

$x - 5y = 25$

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

$2x - 3y = -15$

155) $x = 3$

$x = 3$

156) $y = \frac{6}{5}x + 5$

$6x - 5y = -25$

157) $x = 1$

$x = 1$

158) $y = 2$

$y = 2$

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

$5x + 2y = 0$

160) $y = 3x - 3$

$3x - y = 3$

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

$x - 4y = 12$

162) $y = -x - 6$

$x + y = -6$

163) $y = 4x + 5$

$4x - y = -5$

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

$x + 2y = -12$

165) $y = 4x - 3$

$4x - y = 3$

166) $y = 6x - 6$

$6x - y = 6$

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

$6x + 5y = 20$

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

$2x - 3y = -6$

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

$10x + 3y = 12$

170) $y = -2x + 2$

$2x + y = 2$

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

$4x + 5y = -5$

172) $y = -4x + 1$

$4x + y = 1$

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

$x - 6y = 6$

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

$x + 3y = -12$

175) $y = 3x - 1$

$3x - y = 1$

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

$7x - 4y = 16$

177) $y = -x - 4$

$x + y = -4$

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

$x + 4y = 24$

179) $y = -2x + 6$

$2x + y = 6$

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

$4x - 3y = -12$

181) $y = \frac{4}{3}x + 6$

$4x - 3y = -18$

182) $y = x + 3$

$x - y = -3$

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

$2x + 5y = 5$

184) $y = -2$

$y = -2$

185) $y = 0$

$y = 0$

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

$5x - 2y = -2$

187) $x = -5$

$x = -5$

188) $y = 6x - 5$

$6x - y = 5$

189) $y = x - 2$

$x - y = 2$

190) $y = -3x - 5$

$3x + y = -5$

191) $y = 5x + 5$

$5x - y = -5$

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

$x + 4y = -20$

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

$4x - 3y = -15$

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

$7x + 2y = 10$

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

$x - 2y = -6$

196) $y = \frac{1}{6}x$

$x - 6y = 0$

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

$x + 5y = -15$

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

$3x - 5y = 0$

199) $y = -4x - 3$

$4x + y = -3$

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

$5x - 3y = 15$

201) $-3x - 8 = -2y$

$3x - 2y = -8$

202) $0 = 20 - 6x - 5y$

$6x + 5y = 20$

203) $-1 + x = \frac{1}{5}y$

$5x - y = 5$

204) $0 = 2 - \frac{16}{3}x - \frac{2}{3}y$

$8x + y = 3$

205) $4y + 6x = -20$

$3x + 2y = -10$

206) $-4 + 2x - y = 0$

$2x - y = 4$

207) $-4y = x + 16$

$x + 4y = -16$

208) $-3y = 9 - 9x$

$3x - y = 3$

209) $0 = 3 + y$

$y = -3$

210) $12x = 15y + 15$

$4x - 5y = 5$

211) $0 = 12x - 15y$

$4x - 5y = 0$

212) $5y - x = -5$

$x - 5y = 5$

213) $-2 + 2y = -x$

$x + 2y = 2$

214) $3x = -5y + 5$

$3x + 5y = 5$

215) $-2x - 3 + y = 0$

$2x - y = -3$

216) $0 = -3 + y$

$y = 3$

217) $4 = y + 5x$

$5x + y = 4$

218) $20 = -7x + 5y$

$7x - 5y = -20$

219) $15 - 3y + 8x = 0$

$8x - 3y = -15$

220) $\frac{1}{6}y = -x + \frac{5}{6}$

$6x + y = 5$

221) $-18x + 22 = 8y$

$9x + 4y = 11$

222) $-5y = 19 - 3x$

$3x - 5y = 19$

223) $3x + \frac{24}{5} = -\frac{6}{5}y$

$5x + 2y = -8$

224) $6x = -9y$

$2x + 3y = 0$

225) $-3 + 9x = -3y$

$3x + y = 1$

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

$4x - y = -1$

227) $0 = 2 + \frac{4}{9}y + \frac{10}{9}x$

$5x + 2y = -9$

228) $2 = y - x$

$x - y = -2$

229) $0 = -3y + x + 9$

$x - 3y = -9$

230) $-3y + 15 = -9x$

$3x - y = -5$

231) $-4 = -y - 4x$

$4x + y = 4$

232) $25 - 9x = -5y$

$9x - 5y = 25$

233) $x - y - 4 = 0$

$x - y = 4$

234) $-15 = -6x + 3y$

$2x - y = 5$

235) $-3y = 6 - x$

$x - 3y = 6$

236) $-4 - y = \frac{7}{5}x$

$7x + 5y = -20$

237) $y = -x - 1$

$x + y = -1$

238) $-5 - x - 5y = 0$

$x + 5y = -5$

239) $-y = -5$

$y = 5$

240) $-5x - y = 0$

$5x + y = 0$

241) $-10x = 16 - 8y$

$5x - 4y = -8$

242) $2y + 8x = 6$

$4x + y = 3$

243) $0 = 4y - 12 - x$

$x - 4y = -12$

244) $x - \frac{2}{7} - \frac{1}{7}y = 0$

$7x - y = 2$

245) $-y = -4$

$y = 4$

246) $-15y + 3x = -60$

$x - 5y = -20$

247) $-5 = -x$

$x = 5$

248) $15 = 2x - 5y$

$2x - 5y = 15$

249) $14 = x - 3y$

$x - 3y = 14$

250) $7y + 12 = 8x$

$8x - 7y = 12$

251) $-5 = -2x + 5y$

$2x - 5y = 5$

252) $-2y = -5x$

$5x - 2y = 0$

253) $-x = y$

$x + y = 0$

254) $19 + 4x = -7y$

$4x + 7y = -19$

255) $4y - 4 = 3x$

$3x - 4y = -4$

256) $x + \frac{3}{5} = \frac{3}{5}y$

$5x - 3y = -3$

257) $2 - y = 2x$

$2x + y = 2$

258) $-5y + 2x + 20 = 0$

$2x - 5y = -20$

259) $-10x - 4y + 16 = 0$

$5x + 2y = 8$

260) $-y + 5 = x$

$x + y = 5$

261) $3x = 4y + 20$

$3x - 4y = 20$

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

$5x + y = -1$

263) $0 = 1 + \frac{4}{3}x - \frac{1}{3}y$

$4x - y = -3$

264) $-3 = y - 4x$

$4x - y = 3$

265) $2x + 3 = -y$

$2x + y = -3$

266) $-5y - 10 = -x$

$x - 5y = 10$

267) $1 + y = -3x$

$3x + y = -1$

268) $-x - 2 = 0$

$x = -2$

269) $-9y = -6x + 9$

$2x - 3y = 3$

270) $5y = 2x + 5$

$2x - 5y = -5$

271) $2 = y - 3x$

$3x - y = -2$

272) $-3x = 3y - 3$

$x + y = 1$

273) $-4y = -16 - 3x$

$3x - 4y = -16$

274) $-\frac{1}{2}y = -1 + \frac{1}{10}x$

$x + 5y = 10$

275) $-2x = -5y - 25$

$2x - 5y = 25$

276) $2x = \frac{18}{5} - \frac{6}{5}y$

$5x + 3y = 9$

277) $-6 = -3x - 2y$

$3x + 2y = 6$

278) $0 = -4 - 2y - 4x$

$2x + y = -2$

279) $-1 + \frac{1}{5}y - \frac{1}{5}x = 0$

$x - y = -5$

280) $12y + 3x = -24$

$x + 4y = -8$

281) $-x - 1 = 0$

$x = -1$

282) $1 = -6x + y$

$6x - y = -1$

283) $-9x + 6 = 3y$

$3x + y = 2$

284) $0 = 3 - x - y$

$x + y = 3$

285) $-20 + 7x = -5y$

$7x + 5y = 20$

286) $-12 - 3x - 3y = 0$

$x + y = -4$

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

$5x + y = -5$

288) $-y = -2x + 3$

$2x - y = 3$

289) $9x = 6y + 12$

$3x - 2y = 4$

290) $-y = 2 - x$

$x - y = 2$

291) $-3y = x$

$x + 3y = 0$

292) $0 = 4 - 4y - x$

$x + 4y = 4$

293) $4 + x = 2y$

$x - 2y = -4$

294) $2y = 8 - 4x$

$2x + y = 4$

295) $5 - y = -5x$

$5x - y = -5$

296) $60 = -12y - 3x$

$x + 4y = -20$

297) $-10x - 5 = 7y$

$10x + 7y = -5$

298) $5x + 21 = -4y$

$5x + 4y = -21$

299) $0 = y + 2$

$y = -2$

300) $4 = 7y - 5x$

$5x - 7y = -4$

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

$y = 0$

302) through: $(4, 2)$ and $(1, 2)$

$y = 2$

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

$5x + 8y = -7$

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

$3x - y = -2$

305) through: $(0, -1)$ and $(3, 4)$

$5x - 3y = 3$

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

$2x - 5y = -23$

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

$y = 5$

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

$9x + y = -4$

309) through: $(2, -5)$ and $(0, 1)$

$3x + y = 1$

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

$3x - y = -1$

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

$9x + 5y = 25$

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

$3x + y = 3$

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

$x - 3y = 3$

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

$3x - 5y = 17$

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

$2x - 5y = 5$

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

$3x + y = 0$

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

$3x + 2y = 0$

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

$2x - 5y = -10$

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

$2x + y = 2$

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

$2x - y = -3$

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

$4x - 3y = -9$

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

$9x + 5y = 20$

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

$3x + y = 5$

324) through: $(0, -5)$ and $(-1, -2)$

$3x + y = -5$

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

$9x + 5y = -20$

326) through: $(3, 1)$ and $(0, -4)$

$5x - 3y = 12$

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

$y = -3$

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

$3x + y = -9$

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

$2x + y = -1$

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

$2x - y = -7$

331) through: $(-3, -1)$ and $(4, 0)$

$x - 7y = 4$

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

$5x - 3y = -5$

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

$2x - y = -11$

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

$x - y = 2$

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

$x = -1$

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

$3x - y = -11$

337) through: $(5, 4)$ and $(-4, 5)$

$x + 9y = 41$

338) through: $(-4, 2)$ and $(2, 4)$

$x - 3y = -10$

339) through: $(-4, -5)$ and $(4, 5)$

$5x - 4y = 0$

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

$x = 4$

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

$5x + 2y = -23$

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

$y = -5$

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

$2x + 5y = -15$

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

$4x + y = -18$

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

$5x + y = -2$

346) through: $(0, -1)$ and $(-2, -5)$

$2x - y = 1$

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

$3x + 2y = 2$

348) through: $(0, 1)$ and $(1, 2)$

$x - y = -1$

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

$4x - 3y = -6$

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

$7x - 5y = -10$

351) through: $(0, 3)$ and $(2, 1)$

$x + y = 3$

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

$x - y = -5$

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

$6x - y = -3$

354) through: $(0, 5)$ and $(4, 0)$

$5x + 4y = 20$

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

$x - y = 5$

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

$9x + 2y = -10$

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

$5x - y = 17$

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

$x + 4y = -16$

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

$5x - 8y = -1$

360) through: $(1, 0)$ and $(3, 2)$

$x - y = 1$

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

$3x + 4y = -7$

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

$5x - 9y = -16$

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

$2x + 5y = -4$

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

$3x + 5y = 6$

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

$x - 2y = -3$

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

$7x - 2y = 31$

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

$7x - 2y = 22$

368) through: $(0, 4)$ and $(3, -1)$

$5x + 3y = 12$

369) through: $(-4, 4)$ and $(2, 4)$

$y = 4$

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

$3x + y = 4$

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

$x + 3y = -13$

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

$7x - 6y = -4$

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

$y = -1$

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

$7x - 6y = -23$

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

$5x + 4y = 0$

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

$3x - 2y = 0$

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

$2x + 5y = 5$

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

$x + 4y = 4$

379) through: $(5, 0)$ and $(0, 4)$

$4x + 5y = 20$

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

$4x + y = 4$

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

$5x - y = 5$

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

$5x - 2y = 10$

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

$3x - 2y = -10$

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

$2x + y = 0$

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

$x - y = 0$

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

$4x + 3y = 11$

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

$x - 2y = 6$

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

$x + y = 1$

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

$3x + 4y = -5$

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

$3x + y = -1$

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

$2x - 3y = 2$

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

$3x + y = -12$

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

$4x - 5y = -3$

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

$x - 8y = -35$

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

$3x + y = -11$

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

$9x - 2y = -19$

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

$9x + 7y = 8$

398) through: $(-3, 3)$ and $(1, -3)$

$3x + 2y = -3$

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

$5x + 4y = -4$

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

$x - 4y = 4$