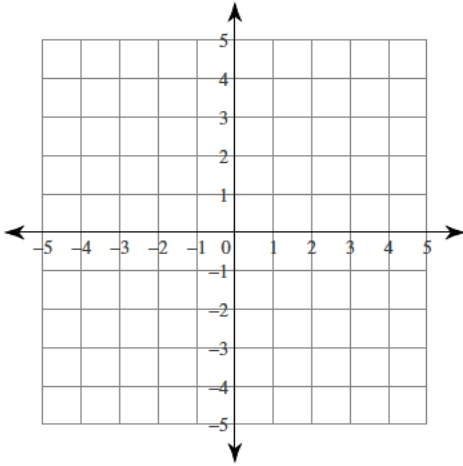


# Graphing systems of linear equations - slope/intercept

Use graphing to find the x-coordinate of the solution to each system.

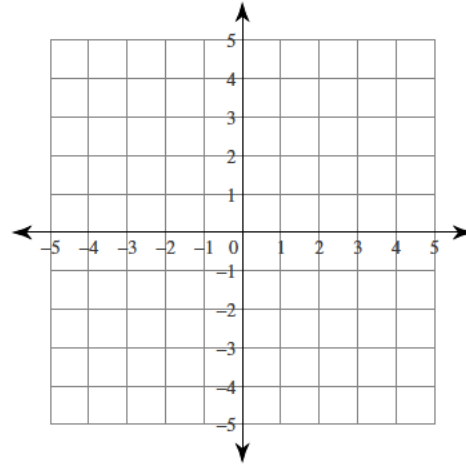
1)  $y = \frac{1}{4}x - 2$

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



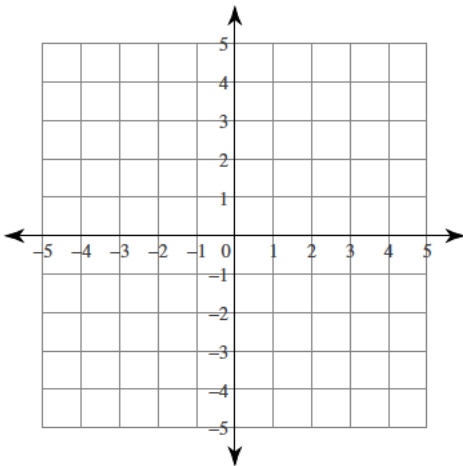
2)  $y = -\frac{1}{4}x - 3$

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



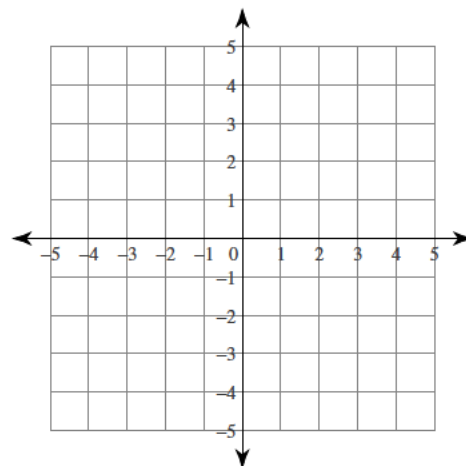
3)  $y = \frac{1}{2}x + 2$

$y = 2x - 1$

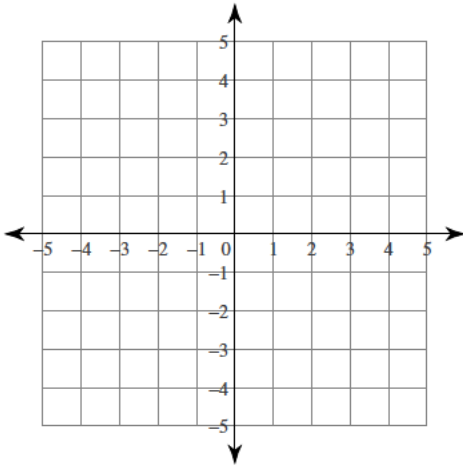


4)  $y = \frac{7}{2}x - 3$

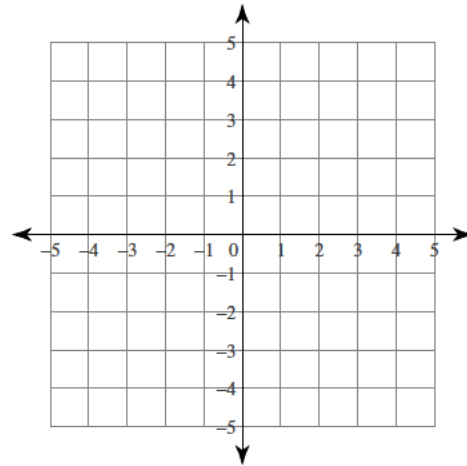
$y = \frac{1}{2}x + 3$



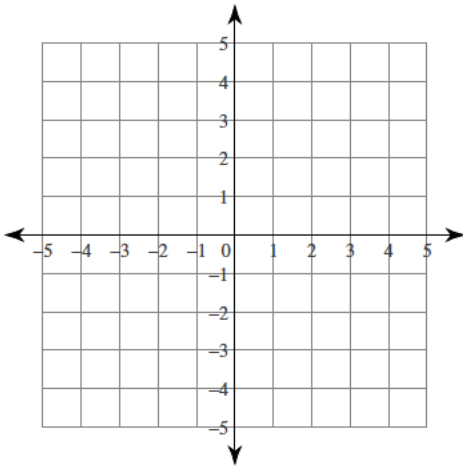
5)  $y = 3x + 1$   
 $y = 4$



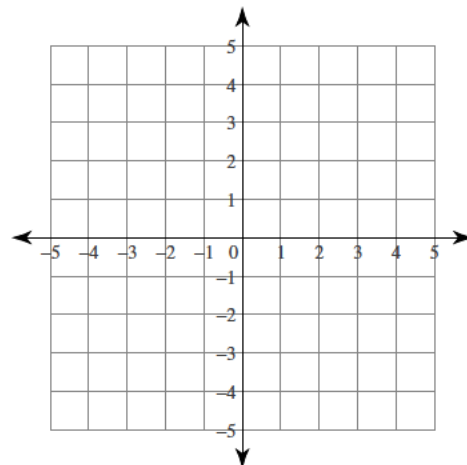
6)  $y = \frac{3}{2}x + 4$   
 $x = -2$



7)  $y = -\frac{2}{3}x + 1$   
 $y = x - 4$

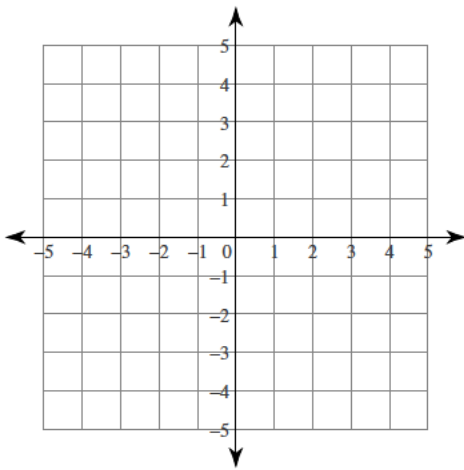


8)  $y = -\frac{3}{2}x + 4$   
 $y = \frac{1}{4}x - 3$



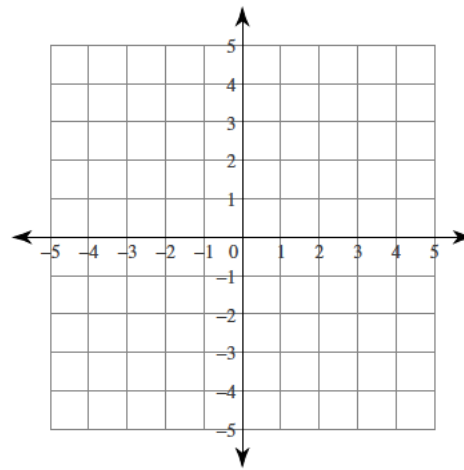
$$9) y = \frac{1}{3}x + 3$$

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



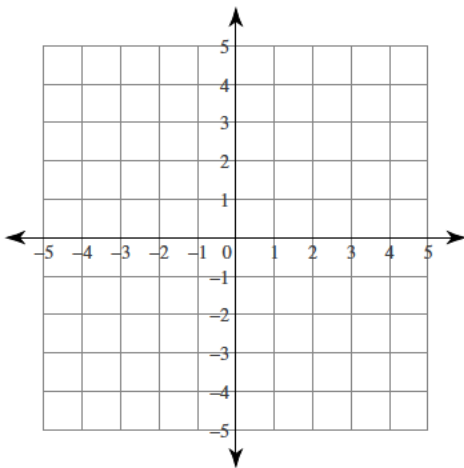
$$10) y = -\frac{5}{2}x + 1$$

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



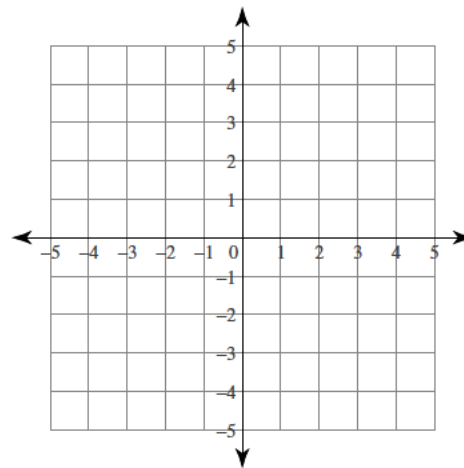
$$11) y = -\frac{7}{4}x - 4$$

$$y = 3$$

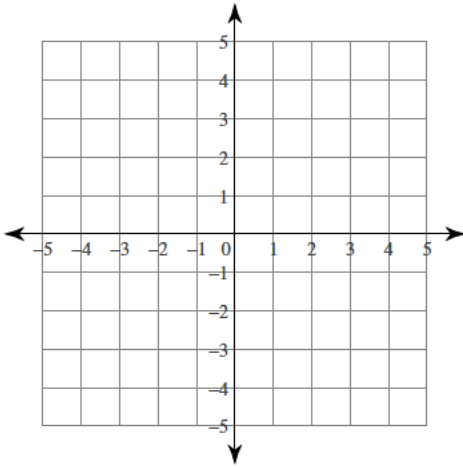


$$12) y = -\frac{5}{3}x + 4$$

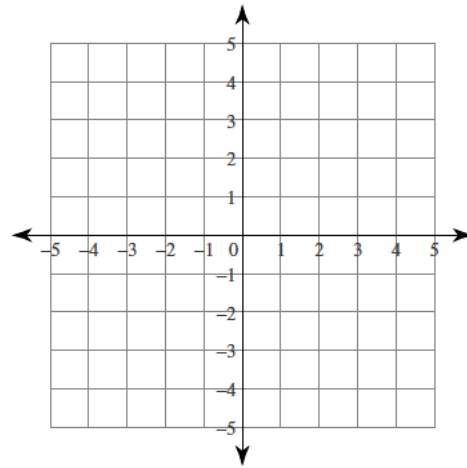
$$y = x - 4$$



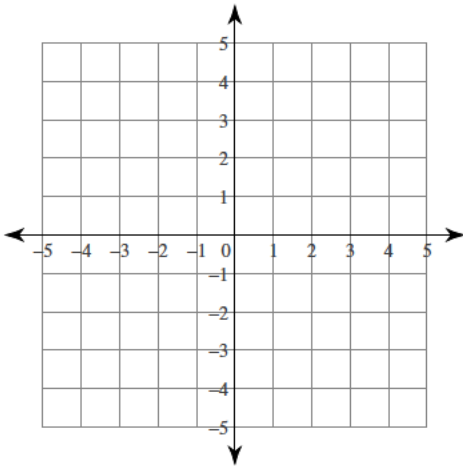
13)  $y = -2x + 4$   
 $y = 3x - 1$



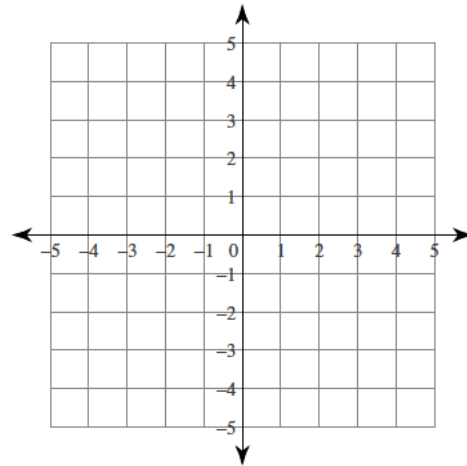
14)  $y = \frac{1}{2}x + 2$   
 $y = \frac{3}{2}x - 2$



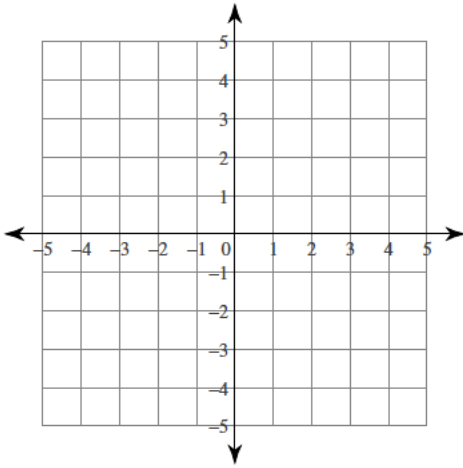
15)  $y = -x - 3$   
 $y = 3x + 1$



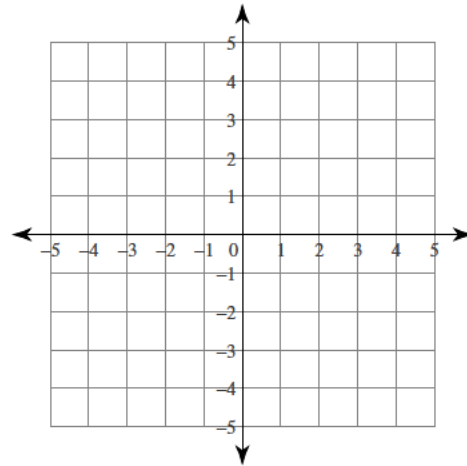
16)  $y = -3x + 4$   
 $y = 3x - 2$



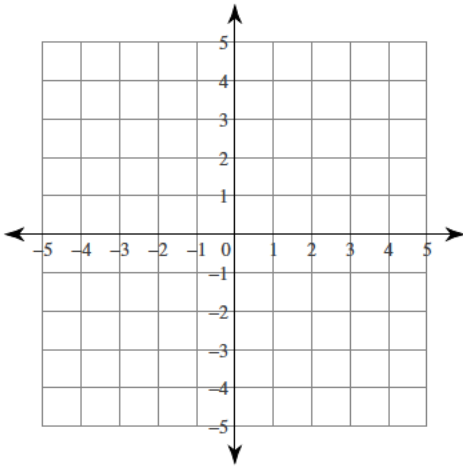
17)  $y = x - 2$   
 $y = -x - 4$



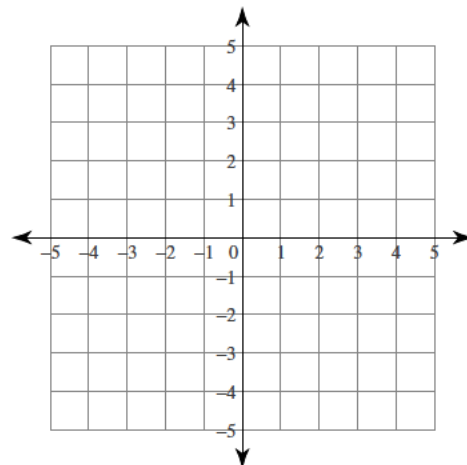
18)  $y = \frac{2}{3}x + 2$   
 $y = 2x - 2$



19)  $y = x + 3$   
 $y = -4x - 2$

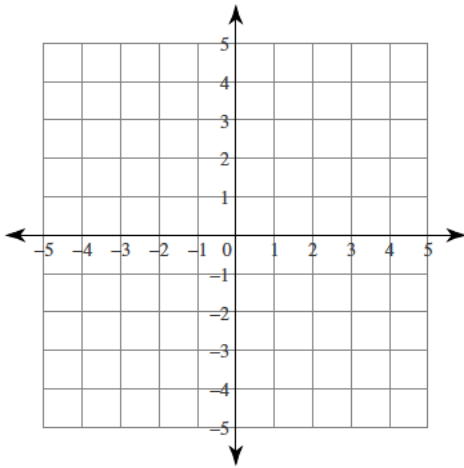


20)  $y = -\frac{1}{2}x - 2$   
 $y = \frac{3}{2}x + 2$



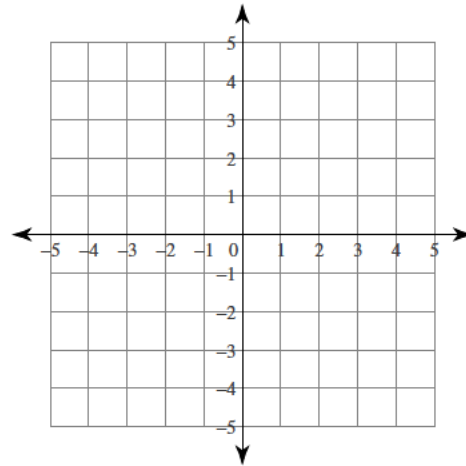
21)  $y = -\frac{8}{3}x + 4$

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



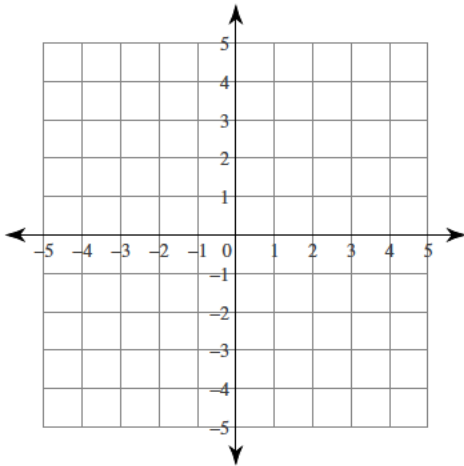
22)  $y = -x - 4$

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



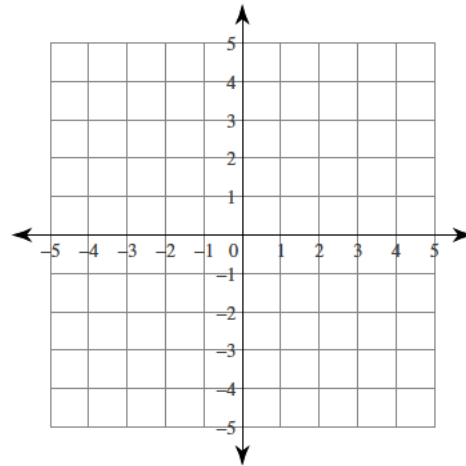
23)  $y = x + 4$

$y = -5x - 2$



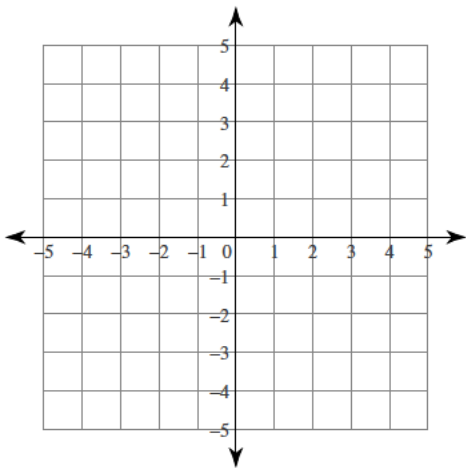
24)  $y = -4x - 1$

$y = -x + 2$

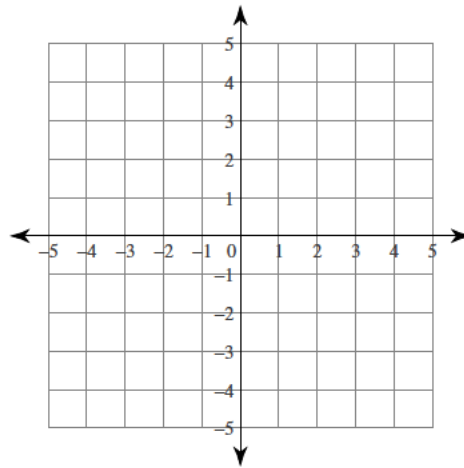


25)  $y = -\frac{5}{2}x + 2$

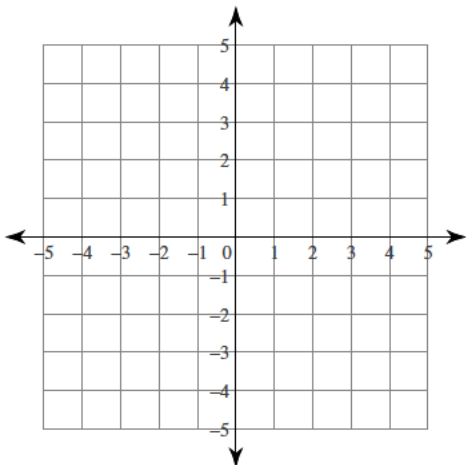
$y = \frac{1}{2}x - 4$



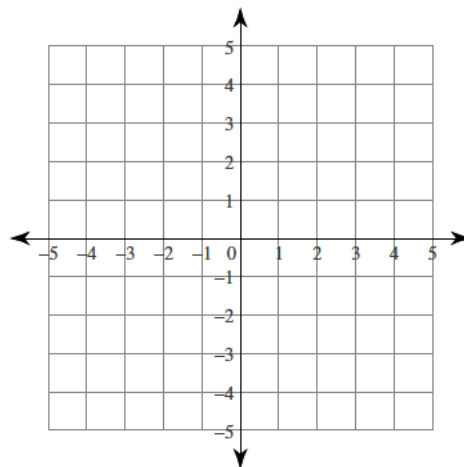
26)  $y = x - 2$   
 $y = 4x + 4$



27)  $y = -x - 1$   
 $y = x - 3$

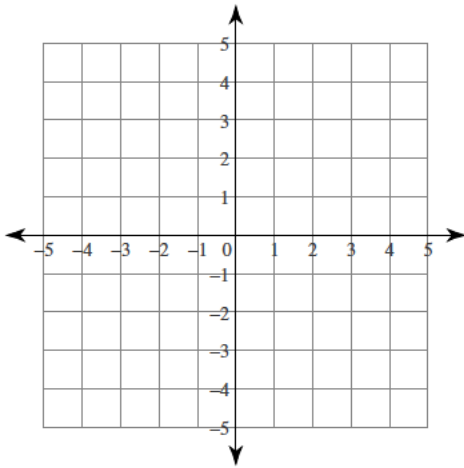


28)  $y = -\frac{1}{2}x + 3$   
 $y = -\frac{3}{2}x + 1$



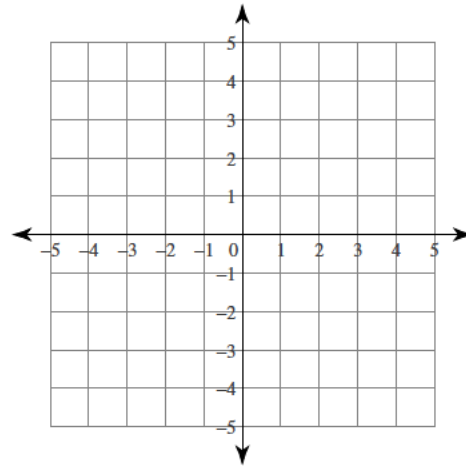
29)  $y = \frac{5}{4}x - 4$

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



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

$y = x + 2$





## Answers to Graphing systems of linear equations - slope/intercept

- |        |        |        |        |
|--------|--------|--------|--------|
| 1) -4  | 2) -4  | 3) 2   | 4) 2   |
| 5) 1   | 6) -2  | 7) 3   | 8) 4   |
| 9) -3  | 10) 2  | 11) -4 | 12) 3  |
| 13) 1  | 14) 4  | 15) -1 | 16) 1  |
| 17) -1 | 18) 3  | 19) -1 | 20) -2 |
| 21) 3  | 22) -3 | 23) -1 | 24) -1 |
| 25) 2  | 26) -2 | 27) 1  | 28) -2 |
| 29) 4  | 30) -4 |        |        |