



Pour chaque système d'équations, déterminez le point d'intersection dans un graphique.

Réponses

1)
$$\begin{cases} y = 0.2x + 5 \\ y = -0.2x + 9 \end{cases}$$

2)
$$\begin{cases} y = -3.75x - 5 \\ y = -1.5x + 4 \end{cases}$$

3)
$$\begin{cases} y = -1.5x + 8 \\ y = 1.5x - 4 \end{cases}$$

4)
$$\begin{cases} y = -0.6x + 2 \\ y = -1.3x + 9 \end{cases}$$

5)
$$\begin{cases} y = 0.6x - 3 \\ y = 0.2x - 5 \end{cases}$$

6)
$$\begin{cases} y = -3.25x + 7 \\ y = -1.25x - 1 \end{cases}$$

7)
$$\begin{cases} y = -0.5x + 3 \\ y = -1.75x + 8 \end{cases}$$

8)
$$\begin{cases} y = -0.4x + 7 \\ y = -0.2x + 5 \end{cases}$$

9)
$$\begin{cases} y = -1.5x - 7 \\ y = 0.5x + 1 \end{cases}$$

10)
$$\begin{cases} y = -0.2x + 8 \\ y = 0.8x - 2 \end{cases}$$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Pour chaque système d'équations, déterminez le point d'intersection dans un graphique.

Réponses

1)
$$\begin{cases} y = 0.2x + 5 \\ y = -0.2x + 9 \end{cases}$$

$$0.2x + 5 = -0.2x + 9$$

$$0.4x = 4$$

$$1x = 10$$

$$y = (0.2 \times 10) + 5$$

$$y = (-0.2 \times 10) + 9$$

2)
$$\begin{cases} y = -3.75x - 5 \\ y = -1.5x + 4 \end{cases}$$

$$-3.75x - 5 = -1.5x + 4$$

$$-2.25x = 9$$

$$1x = -4$$

$$y = (-3.75 \times -4) - 5$$

$$y = (-1.5 \times -4) + 4$$

3)
$$\begin{cases} y = -1.5x + 8 \\ y = 1.5x - 4 \end{cases}$$

$$-1.5x + 8 = 1.5x - 4$$

$$-3x = -12$$

$$1x = 4$$

$$y = (-1.5 \times 4) + 8$$

$$y = (1.5 \times 4) - 4$$

4)
$$\begin{cases} y = -0.6x + 2 \\ y = -1.3x + 9 \end{cases}$$

$$-0.6x + 2 = -1.3x + 9$$

$$0.7x = 7$$

$$1x = 10$$

$$y = (-0.6 \times 10) + 2$$

$$y = (-1.3 \times 10) + 9$$

5)
$$\begin{cases} y = 0.6x - 3 \\ y = 0.2x - 5 \end{cases}$$

$$0.6x - 3 = 0.2x - 5$$

$$0.4x = -2$$

$$1x = -5$$

$$y = (0.6 \times -5) - 3$$

$$y = (0.2 \times -5) - 5$$

6)
$$\begin{cases} y = -3.25x + 7 \\ y = -1.25x - 1 \end{cases}$$

$$-3.25x + 7 = -1.25x - 1$$

$$-2x = -8$$

$$1x = 4$$

$$y = (-3.25 \times 4) + 7$$

$$y = (-1.25 \times 4) - 1$$

7)
$$\begin{cases} y = -0.5x + 3 \\ y = -1.75x + 8 \end{cases}$$

$$-0.5x + 3 = -1.75x + 8$$

$$1.25x = 5$$

$$1x = 4$$

$$y = (-0.5 \times 4) + 3$$

$$y = (-1.75 \times 4) + 8$$

8)
$$\begin{cases} y = -0.4x + 7 \\ y = -0.2x + 5 \end{cases}$$

$$-0.4x + 7 = -0.2x + 5$$

$$-0.2x = -2$$

$$1x = 10$$

$$y = (-0.4 \times 10) + 7$$

$$y = (-0.2 \times 10) + 5$$

9)
$$\begin{cases} y = -1.5x - 7 \\ y = 0.5x + 1 \end{cases}$$

$$-1.5x - 7 = 0.5x + 1$$

$$-2x = 8$$

$$1x = -4$$

$$y = (-1.5 \times -4) - 7$$

$$y = (0.5 \times -4) + 1$$

10)
$$\begin{cases} y = -0.2x + 8 \\ y = 0.8x - 2 \end{cases}$$

$$-0.2x + 8 = 0.8x - 2$$

$$-1x = -10$$

$$1x = 10$$

$$y = (-0.2 \times 10) + 8$$

$$y = (0.8 \times 10) - 2$$

1. (10, 7)
2. (-4, 10)
3. (4, 2)
4. (10, -4)
5. (-5, -6)
6. (4, -6)
7. (4, 1)
8. (10, 3)
9. (-4, -1)
10. (10, 6)