



## Identificación del punto de intersección con ecuaciones Nombre:

Para cada sistema de ecuaciones, determine el punto de intersección en una gráfica.

Respuestas

1) 
$$\begin{cases} y = -0.2x + 3 \\ y = -0.4x + 2 \end{cases}$$

2) 
$$\begin{cases} y = -0.25x + 8 \\ y = 0.5x + 5 \end{cases}$$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

3) 
$$\begin{cases} y = 0.25x - 3 \\ y = 0.5x - 1 \end{cases}$$

4) 
$$\begin{cases} y = 7.5x + 9 \\ y = 5.5x + 5 \end{cases}$$

5) 
$$\begin{cases} y = 0.8x - 8 \\ y = -0.2x - 3 \end{cases}$$

6) 
$$\begin{cases} y = -3.25x + 8 \\ y = 0.5x - 7 \end{cases}$$

7) 
$$\begin{cases} y = -0.25x + 0 \\ y = -1.25x + 4 \end{cases}$$

8) 
$$\begin{cases} y = 0.6x - 1 \\ y = -0.4x + 9 \end{cases}$$

9) 
$$\begin{cases} y = -1.75x - 3 \\ y = -3.75x + 5 \end{cases}$$

10) 
$$\begin{cases} y = -1.75x - 3 \\ y = 0.25x + 5 \end{cases}$$



Para cada sistema de ecuaciones, determine el punto de intersección en una gráfica.

**Respuestas**

1) 
$$\begin{cases} y = -0.2x + 3 \\ y = -0.4x + 2 \end{cases}$$
  

$$-0.2x+3 = -0.4x+2$$
  

$$0.2x = -1$$
  

$$1x = -5$$
  

$$y = (-0.2 \times -5) + 3$$
  

$$y = (-0.4 \times -5) + 2$$

2) 
$$\begin{cases} y = -0.25x + 8 \\ y = 0.5x + 5 \end{cases}$$
  

$$-0.25x+8 = 0.5x+5$$
  

$$-0.75x = -3$$
  

$$1x = 4$$
  

$$y = (-0.25 \times 4) + 8$$
  

$$y = (0.5 \times 4) + 5$$

3) 
$$\begin{cases} y = 0.25x - 3 \\ y = 0.5x - 1 \end{cases}$$
  

$$0.25x - 3 = 0.5x - 1$$
  

$$-0.25x = 2$$
  

$$1x = -8$$
  

$$y = (0.25 \times -8) - 3$$
  

$$y = (0.5 \times -8) - 1$$

4) 
$$\begin{cases} y = 7.5x + 9 \\ y = 5.5x + 5 \end{cases}$$
  

$$7.5x+9 = 5.5x+5$$
  

$$2x = -4$$
  

$$1x = -2$$
  

$$y = (7.5 \times -2) + 9$$
  

$$y = (5.5 \times -2) + 5$$

5) 
$$\begin{cases} y = 0.8x - 8 \\ y = -0.2x - 3 \end{cases}$$
  

$$0.8x - 8 = -0.2x - 3$$
  

$$1x = 5$$
  

$$1x = 5$$
  

$$y = (0.8 \times 5) - 8$$
  

$$y = (-0.2 \times 5) - 3$$

6) 
$$\begin{cases} y = -3.25x + 8 \\ y = 0.5x - 7 \end{cases}$$
  

$$-3.25x+8 = 0.5x - 7$$
  

$$-3.75x = -15$$
  

$$1x = 4$$
  

$$y = (-3.25 \times 4) + 8$$
  

$$y = (0.5 \times 4) - 7$$

7) 
$$\begin{cases} y = -0.25x + 0 \\ y = -1.25x + 4 \end{cases}$$
  

$$-0.25x+0 = -1.25x+4$$
  

$$1x = 4$$
  

$$1x = 4$$
  

$$y = (-0.25 \times 4) + 0$$
  

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

8) 
$$\begin{cases} y = 0.6x - 1 \\ y = -0.4x + 9 \end{cases}$$
  

$$0.6x - 1 = -0.4x + 9$$
  

$$1x = 10$$
  

$$1x = 10$$
  

$$y = (0.6 \times 10) - 1$$
  

$$y = (-0.4 \times 10) + 9$$

9) 
$$\begin{cases} y = -1.75x - 3 \\ y = -3.75x + 5 \end{cases}$$
  

$$-1.75x - 3 = -3.75x + 5$$
  

$$2x = 8$$
  

$$1x = 4$$
  

$$y = (-1.75 \times 4) - 3$$
  

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

10) 
$$\begin{cases} y = -1.75x - 3 \\ y = 0.25x + 5 \end{cases}$$
  

$$-1.75x - 3 = 0.25x + 5$$
  

$$-2x = 8$$
  

$$1x = -4$$
  

$$y = (-1.75 \times -4) - 3$$
  

$$y = (0.25 \times -4) + 5$$

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