



Per ogni sistema di equazioni determinare il punto di intersezione in un grafico.

Risposte

1) $\begin{cases} y = 1.25x + 7 \\ y = 0.5x + 4 \end{cases}$

2) $\begin{cases} y = 0.25x - 3 \\ y = 0.5x - 4 \end{cases}$

1. _____

2. _____

3. _____

4. _____

3) $\begin{cases} y = -0.4x - 4 \\ y = 1.8x + 7 \end{cases}$

4) $\begin{cases} y = -1.25x + 8 \\ y = 0.25x + 2 \end{cases}$

5. _____

6. _____

7. _____

8. _____

5) $\begin{cases} y = 7.5x + 8 \\ y = 0.5x - 6 \end{cases}$

6) $\begin{cases} y = -0.6x - 7 \\ y = -0.5x - 6 \end{cases}$

9. _____

10. _____

7) $\begin{cases} y = 1.75x - 5 \\ y = 1.25x - 1 \end{cases}$

8) $\begin{cases} y = 0.8x + 1 \\ y = -0.4x - 5 \end{cases}$

9) $\begin{cases} y = -2.25x - 9 \\ y = -1.5x - 3 \end{cases}$

10) $\begin{cases} y = 6.5x - 4 \\ y = 8.5x - 8 \end{cases}$



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Risposte

$$\begin{aligned} 1) \quad & \begin{cases} y = 1.25x + 7 \\ y = 0.5x + 4 \end{cases} \\ & 1.25x + 7 = 0.5x + 4 \\ & 0.75x = -3 \\ & 1x = -4 \\ & y = (1.25 \times -4) + 7 \\ & y = (0.5 \times -4) + 4 \end{aligned}$$

$$\begin{aligned} 2) \quad & \begin{cases} y = 0.25x - 3 \\ y = 0.5x - 4 \end{cases} \\ & 0.25x - 3 = 0.5x - 4 \\ & -0.25x = -1 \\ & 1x = 4 \\ & y = (0.25 \times 4) - 3 \\ & y = (0.5 \times 4) - 4 \end{aligned}$$

$$\begin{aligned} 3) \quad & \begin{cases} y = -0.4x - 4 \\ y = 1.8x + 7 \end{cases} \\ & -0.4x - 4 = 1.8x + 7 \\ & -2.2x = 11 \\ & 1x = -5 \\ & y = (-0.4 \times -5) - 4 \\ & y = (1.8 \times -5) + 7 \end{aligned}$$

$$\begin{aligned} 4) \quad & \begin{cases} y = -1.25x + 8 \\ y = 0.25x + 2 \end{cases} \\ & -1.25x + 8 = 0.25x + 2 \\ & -1.5x = -6 \\ & 1x = 4 \\ & y = (-1.25 \times 4) + 8 \\ & y = (0.25 \times 4) + 2 \end{aligned}$$

$$\begin{aligned} 5) \quad & \begin{cases} y = 7.5x + 8 \\ y = 0.5x - 6 \end{cases} \\ & 7.5x + 8 = 0.5x - 6 \\ & 7x = -14 \\ & 1x = -2 \\ & y = (7.5 \times -2) + 8 \\ & y = (0.5 \times -2) - 6 \end{aligned}$$

$$\begin{aligned} 6) \quad & \begin{cases} y = -0.6x - 7 \\ y = -0.5x - 6 \end{cases} \\ & -0.6x - 7 = -0.5x - 6 \\ & -0.1x = 1 \\ & 1x = -10 \\ & y = (-0.6 \times -10) - 7 \\ & y = (-0.5 \times -10) - 6 \end{aligned}$$

$$\begin{aligned} 7) \quad & \begin{cases} y = 1.75x - 5 \\ y = 1.25x - 1 \end{cases} \\ & 1.75x - 5 = 1.25x - 1 \\ & 0.5x = 4 \\ & 1x = 8 \\ & y = (1.75 \times 8) - 5 \\ & y = (1.25 \times 8) - 1 \end{aligned}$$

$$\begin{aligned} 8) \quad & \begin{cases} y = 0.8x + 1 \\ y = -0.4x - 5 \end{cases} \\ & 0.8x + 1 = -0.4x - 5 \\ & 1.2x = -6 \\ & 1x = -5 \\ & y = (0.8 \times -5) + 1 \\ & y = (-0.4 \times -5) - 5 \end{aligned}$$

$$\begin{aligned} 9) \quad & \begin{cases} y = -2.25x - 9 \\ y = -1.5x - 3 \end{cases} \\ & -2.25x - 9 = -1.5x - 3 \\ & -0.75x = 6 \\ & 1x = -8 \\ & y = (-2.25 \times -8) - 9 \\ & y = (-1.5 \times -8) - 3 \end{aligned}$$

$$\begin{aligned} 10) \quad & \begin{cases} y = 6.5x - 4 \\ y = 8.5x - 8 \end{cases} \\ & 6.5x - 4 = 8.5x - 8 \\ & -2x = -4 \\ & 1x = 2 \\ & y = (6.5 \times 2) - 4 \\ & y = (8.5 \times 2) - 8 \end{aligned}$$

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