



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

Risposte

1)
$$\begin{cases} y = 0.1x + 2 \\ y = 0.5x - 2 \end{cases}$$

2)
$$\begin{cases} y = -1.3x + 5 \\ y = -0.4x - 4 \end{cases}$$

1. _____

2. _____

3. _____

4. _____

3)
$$\begin{cases} y = -0.2x + 8 \\ y = 1.5x - 9 \end{cases}$$

4)
$$\begin{cases} y = -4.25x + 8 \\ y = -2.5x + 1 \end{cases}$$

5. _____

6. _____

7. _____

8. _____

5)
$$\begin{cases} y = -1.5x - 3 \\ y = -0.5x + 5 \end{cases}$$

6)
$$\begin{cases} y = 0.3x - 9 \\ y = -0.5x - 1 \end{cases}$$

9. _____

10. _____

7)
$$\begin{cases} y = 0.3x + 1 \\ y = 0.5x - 1 \end{cases}$$

8)
$$\begin{cases} y = -0.2x + 0 \\ y = 0.4x - 6 \end{cases}$$

9)
$$\begin{cases} y = -1.5x + 1 \\ y = -3.5x - 3 \end{cases}$$

10)
$$\begin{cases} y = -0.25x - 2 \\ y = -0.5x + 0 \end{cases}$$



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Risposte

1) $\begin{cases} y = 0.1x + 2 \\ y = 0.5x - 2 \end{cases}$
 $0.1x + 2 = 0.5x - 2$
 $-0.4x = -4$
 $1x = 10$
 $y = (0.1 \times 10) + 2$
 $y = (0.5 \times 10) - 2$

2) $\begin{cases} y = -1.3x + 5 \\ y = -0.4x - 4 \end{cases}$
 $-1.3x + 5 = -0.4x - 4$
 $-0.9x = -9$
 $1x = 10$
 $y = (-1.3 \times 10) + 5$
 $y = (-0.4 \times 10) - 4$

3) $\begin{cases} y = -0.2x + 8 \\ y = 1.5x - 9 \end{cases}$
 $-0.2x + 8 = 1.5x - 9$
 $-1.7x = -17$
 $1x = 10$
 $y = (-0.2 \times 10) + 8$
 $y = (1.5 \times 10) - 9$

4) $\begin{cases} y = -4.25x + 8 \\ y = -2.5x + 1 \end{cases}$
 $-4.25x + 8 = -2.5x + 1$
 $-1.75x = -7$
 $1x = 4$
 $y = (-4.25 \times 4) + 8$
 $y = (-2.5 \times 4) + 1$

5) $\begin{cases} y = -1.5x - 3 \\ y = -0.5x + 5 \end{cases}$
 $-1.5x - 3 = -0.5x + 5$
 $-1x = 8$
 $1x = -8$
 $y = (-1.5 \times -8) - 3$
 $y = (-0.5 \times -8) + 5$

6) $\begin{cases} y = 0.3x - 9 \\ y = -0.5x - 1 \end{cases}$
 $0.3x - 9 = -0.5x - 1$
 $0.8x = 8$
 $1x = 10$
 $y = (0.3 \times 10) - 9$
 $y = (-0.5 \times 10) - 1$

7) $\begin{cases} y = 0.3x + 1 \\ y = 0.5x - 1 \end{cases}$
 $0.3x + 1 = 0.5x - 1$
 $-0.2x = -2$
 $1x = 10$
 $y = (0.3 \times 10) + 1$
 $y = (0.5 \times 10) - 1$

8) $\begin{cases} y = -0.2x + 0 \\ y = 0.4x - 6 \end{cases}$
 $-0.2x + 0 = 0.4x - 6$
 $-0.6x = -6$
 $1x = 10$
 $y = (-0.2 \times 10) + 0$
 $y = (0.4 \times 10) - 6$

9) $\begin{cases} y = -1.5x + 1 \\ y = -3.5x - 3 \end{cases}$
 $-1.5x + 1 = -3.5x - 3$
 $2x = -4$
 $1x = -2$
 $y = (-1.5 \times -2) + 1$
 $y = (-3.5 \times -2) - 3$

10) $\begin{cases} y = -0.25x - 2 \\ y = -0.5x + 0 \end{cases}$
 $-0.25x - 2 = -0.5x + 0$
 $0.25x = 2$
 $1x = 8$
 $y = (-0.25 \times 8) - 2$
 $y = (-0.5 \times 8) + 0$

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