



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

Risposte

1)
$$\begin{cases} y = -1.5x - 1 \\ y = -1.75x + 0 \end{cases}$$

2)
$$\begin{cases} y = 3.5x + 8 \\ y = -0.5x - 8 \end{cases}$$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

3)
$$\begin{cases} y = -4.5x - 3 \\ y = -0.5x + 5 \end{cases}$$

4)
$$\begin{cases} y = 1.75x + 8 \\ y = 0.25x + 2 \end{cases}$$

5)
$$\begin{cases} y = 0.6x - 2 \\ y = 0.8x - 1 \end{cases}$$

6)
$$\begin{cases} y = -0.6x + 2 \\ y = 0.4x + 7 \end{cases}$$

7)
$$\begin{cases} y = 1.75x + 0 \\ y = 2.25x - 2 \end{cases}$$

8)
$$\begin{cases} y = 2.25x - 8 \\ y = 1.5x - 5 \end{cases}$$

9)
$$\begin{cases} y = 0.75x + 5 \\ y = 0.5x + 6 \end{cases}$$

10)
$$\begin{cases} y = 2.25x - 7 \\ y = -1.25x + 7 \end{cases}$$



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Risposte

1) $\begin{cases} y = -1.5x - 1 \\ y = -1.75x + 0 \end{cases}$
 $-1.5x - 1 = -1.75x + 0$
 $0.25x = 1$
 $1x = 4$
 $y = (-1.5 \times 4) - 1$
 $y = (-1.75 \times 4) + 0$

2) $\begin{cases} y = 3.5x + 8 \\ y = -0.5x - 8 \end{cases}$
 $3.5x + 8 = -0.5x - 8$
 $4x = -16$
 $1x = -4$
 $y = (3.5 \times -4) + 8$
 $y = (-0.5 \times -4) - 8$

3) $\begin{cases} y = -4.5x - 3 \\ y = -0.5x + 5 \end{cases}$
 $-4.5x - 3 = -0.5x + 5$
 $-4x = 8$
 $1x = -2$
 $y = (-4.5 \times -2) - 3$
 $y = (-0.5 \times -2) + 5$

4) $\begin{cases} y = 1.75x + 8 \\ y = 0.25x + 2 \end{cases}$
 $1.75x + 8 = 0.25x + 2$
 $1.5x = -6$
 $1x = -4$
 $y = (1.75 \times -4) + 8$
 $y = (0.25 \times -4) + 2$

5) $\begin{cases} y = 0.6x - 2 \\ y = 0.8x - 1 \end{cases}$
 $0.6x - 2 = 0.8x - 1$
 $-0.2x = 1$
 $1x = -5$
 $y = (0.6 \times -5) - 2$
 $y = (0.8 \times -5) - 1$

6) $\begin{cases} y = -0.6x + 2 \\ y = 0.4x + 7 \end{cases}$
 $-0.6x + 2 = 0.4x + 7$
 $-1x = 5$
 $1x = -5$
 $y = (-0.6 \times -5) + 2$
 $y = (0.4 \times -5) + 7$

7) $\begin{cases} y = 1.75x + 0 \\ y = 2.25x - 2 \end{cases}$
 $1.75x + 0 = 2.25x - 2$
 $-0.5x = -2$
 $1x = 4$
 $y = (1.75 \times 4) + 0$
 $y = (2.25 \times 4) - 2$

8) $\begin{cases} y = 2.25x - 8 \\ y = 1.5x - 5 \end{cases}$
 $2.25x - 8 = 1.5x - 5$
 $0.75x = 3$
 $1x = 4$
 $y = (2.25 \times 4) - 8$
 $y = (1.5 \times 4) - 5$

9) $\begin{cases} y = 0.75x + 5 \\ y = 0.5x + 6 \end{cases}$
 $0.75x + 5 = 0.5x + 6$
 $0.25x = 1$
 $1x = 4$
 $y = (0.75 \times 4) + 5$
 $y = (0.5 \times 4) + 6$

10) $\begin{cases} y = 2.25x - 7 \\ y = -1.25x + 7 \end{cases}$
 $2.25x - 7 = -1.25x + 7$
 $3.5x = 14$
 $1x = 4$
 $y = (2.25 \times 4) - 7$
 $y = (-1.25 \times 4) + 7$

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