Определение точки пересечения с уравнениями Имя:

Для каждой системы уравнений определите точку пересечения на графике.

1) $\begin{cases} y = -0.4x + 2 \\ y = -1.3x - 7 \end{cases}$

2) $\begin{cases} y = 0.25x - 7 \\ y = -3.5x + 8 \end{cases}$

3) $\begin{cases} y = 1.5x + 8 \\ y = 0.3x - 4 \end{cases}$

4) $\begin{cases} y = 0.8x + 4 \\ y = -1.2x - 6 \end{cases}$

5) $\begin{cases} y = -0.75x - 2 \\ y = -3.25x + 8 \end{cases}$

6) $\begin{cases} y = 0.9x - 5 \\ y = 0.6x - 2 \end{cases}$

7) $\begin{cases} y = -0.5x - 6 \\ y = 0.8x + 7 \end{cases}$

8) $\begin{cases} y = 0.75x - 3 \\ y = 0.5x - 1 \end{cases}$

9) $\begin{cases} y = -0.1x - 7 \\ y = -0.2x - 6 \end{cases}$

10) $\begin{cases} y = 0.25x + 5 \\ y = 0.75x + 1 \end{cases}$

Ответы

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Определение точки пересечения с уравнениями Имя: Ключ к правильным ответам

Для каждой системы уравнений определите точку пересечения на графике.

1) $\begin{cases} y = -0.4x + 2 \\ y = -1.3x - 7 \end{cases}$

$-0.4x+2 = -1.3x- 7$
$0.9x = -9$
$1x = -10$
$y = (-0.4×-10)+2$
$y = (-1.3×-10)- 7$

2) $\begin{cases} y = 0.25x - 7 \\ y = -3.5x + 8 \end{cases}$

$0.25x- 7 = -3.5x+8$
$3.75x = 15$
$1x = 4$
$y = (0.25×4)- 7$
$y = (-3.5×4)+8$

3) $\begin{cases} y = 1.5x + 8 \\ y = 0.3x - 4 \end{cases}$

$1.5x+8 = 0.3x- 4$
$1.2x = -12$
$1x = -10$
$y = (1.5×-10)+8$
$y = (0.3×-10)- 4$

4) $\begin{cases} y = 0.8x + 4 \\ y = -1.2x - 6 \end{cases}$

$0.8x+4 = -1.2x- 6$
$2x = -10$
$1x = -5$
$y = (0.8×-5)+4$
$y = (-1.2×-5)- 6$

5) $\begin{cases} y = -0.75x - 2 \\ y = -3.25x + 8 \end{cases}$

$-0.75x- 2 = -3.25x+8$
$2.5x = 10$
$1x = 4$
$y = (-0.75×4)- 2$
$y = (-3.25×4)+8$

6) $\begin{cases} y = 0.9x - 5 \\ y = 0.6x - 2 \end{cases}$

$0.9x- 5 = 0.6x- 2$
$0.3x = 3$
$1x = 10$
$y = (0.9×10)- 5$
$y = (0.6×10)- 2$

7) $\begin{cases} y = -0.5x - 6 \\ y = 0.8x + 7 \end{cases}$

$-0.5x- 6 = 0.8x+7$
$-1.3x = 13$
$1x = -10$
$y = (-0.5×-10)- 6$
$y = (0.8×-10)+7$

8) $\begin{cases} y = 0.75x - 3 \\ y = 0.5x - 1 \end{cases}$

$0.75x- 3 = 0.5x- 1$
$0.25x = 2$
$1x = 8$
$y = (0.75×8)- 3$
$y = (0.5×8)- 1$

9) $\begin{cases} y = -0.1x - 7 \\ y = -0.2x - 6 \end{cases}$

$-0.1x- 7 = -0.2x- 6$
$0.1x = 1$
$1x = 10$
$y = (-0.1×10)- 7$
$y = (-0.2×10)- 6$

10) $\begin{cases} y = 0.25x + 5 \\ y = 0.75x + 1 \end{cases}$

$0.25x+5 = 0.75x+1$
$-0.5x = -4$
$1x = 8$
$y = (0.25×8)+5$
$y = (0.75×8)+1$

Ответы

1. (-10 , 6)
2. (4 , -6)
3. (-10 , -7)
4. (-5 , 0)
5. (4 , -5)
6. (10 , 4)
7. (-10 , -1)
8. (8 , 3)
9. (10 , -8)
10. (8 , 7)

1-10	90	80	70	60	50	40	30	20	10	0