



Для каждой системы уравнений определите точку пересечения на графике.

Ответы

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

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

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

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

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

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



Для каждой системы уравнений определите точку пересечения на графике.

ОТВЕТЫ

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)