For each system of equations determine the point of intersection in a graph.

1) $\begin{cases} y = 1.25x + 2 \\ y = 0.5x - 1 \end{cases}$

2) $\begin{cases} y = 0.8x - 5 \\ y = 0.9x - 6 \end{cases}$

1. _____

2. _____

3. _____

4. _____

3) $\begin{cases} y = -4.25x + 7 \\ y = -3.25x + 3 \end{cases}$

4) $\begin{cases} y = -0.5x - 4 \\ y = 2.75x + 9 \end{cases}$

5. _____

6. _____

7. _____

5) $\begin{cases} y = -2.75x + 2 \\ y = -4.25x + 8 \end{cases}$

6) $\begin{cases} y = 1.5x - 6 \\ y = 1.25x - 4 \end{cases}$

8. _____

9. _____

10. _____

7) $\begin{cases} y = -0.25x + 9 \\ y = 3.75x - 7 \end{cases}$
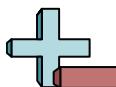
8) $\begin{cases} y = 1.25x - 6 \\ y = -1.75x + 6 \end{cases}$

9) $\begin{cases} y = -1.5x + 8 \\ y = 0.25x + 1 \end{cases}$

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

Math

For each system of equations determine the point of intersection in a graph.

1) $\begin{cases} y = 1.25x + 2 \\ y = 0.5x - 1 \end{cases}$

$1.25x+2 = 0.5x- 1$
$0.75x = -3$
$1x = -4$
$y = (1.25\times-4)+2$
$y = (0.5\times-4)- 1$

2) $\begin{cases} y = 0.8x - 5 \\ y = 0.9x - 6 \end{cases}$

$0.8x- 5 = 0.9x- 6$
$-0.1x = -1$
$1x = 10$
$y = (0.8\times10)- 5$
$y = (0.9\times10)- 6$

1. __**(-4 , -3)**__

2. __**(10 , 3)**__

3. __**(4 , -10)**__

4. __**(-4 , -2)**__

3) $\begin{cases} y = -4.25x + 7 \\ y = -3.25x + 3 \end{cases}$

$-4.25x+7 = -3.25x+3$
$-1x = -4$
$1x = 4$
$y = (-4.25\times4)+7$
$y = (-3.25\times4)+3$

4) $\begin{cases} y = -0.5x - 4 \\ y = 2.75x + 9 \end{cases}$

$-0.5x- 4 = 2.75x+9$
$-3.25x = 13$
$1x = -4$
$y = (-0.5\times-4)- 4$
$y = (2.75\times-4)+9$

5. __**(4 , -9)**__

6. __**(8 , 6)**__

7. __**(4 , 8)**__

8. __**(4 , -1)**__

5) $\begin{cases} y = -2.75x + 2 \\ y = -4.25x + 8 \end{cases}$

$-2.75x+2 = -4.25x+8$
$1.5x = 6$
$1x = 4$
$y = (-2.75\times4)+2$
$y = (-4.25\times4)+8$

6) $\begin{cases} y = 1.5x - 6 \\ y = 1.25x - 4 \end{cases}$

$1.5x- 6 = 1.25x- 4$
$0.25x = 2$
$1x = 8$
$y = (1.5\times8)- 6$
$y = (1.25\times8)- 4$

9. __**(4 , 2)**__

10. __**(-8 , -1)**__

7) $\begin{cases} y = -0.25x + 9 \\ y = 3.75x - 7 \end{cases}$

$-0.25x+9 = 3.75x- 7$
$-4x = -16$
$1x = 4$
$y = (-0.25\times4)+9$
$y = (3.75\times4)- 7$

8) $\begin{cases} y = 1.25x - 6 \\ y = -1.75x + 6 \end{cases}$

$1.25x- 6 = -1.75x+6$
$3x = 12$
$1x = 4$
$y = (1.25\times4)- 6$
$y = (-1.75\times4)+6$

9) $\begin{cases} y = -1.5x + 8 \\ y = 0.25x + 1 \end{cases}$

$-1.5x+8 = 0.25x+1$
$-1.75x = -7$
$1x = 4$
$y = (-1.5\times4)+8$
$y = (0.25\times4)+1$

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

$-0.5x- 5 = 0.5x+3$
$-1x = 8$
$1x = -8$
$y = (-0.5\times-8)- 5$
$y = (0.5\times-8)+3$

Math

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