Pour chaque système d'équations, déterminez le point d'intersection dans un graphique.

1)
$$\begin{cases} y = -0.25x + 7 \\ y = 2.25x - 3 \end{cases}$$

-0.25x+7 = 2.25x- 3
-2.5x = -10
1x = 4
y = (-0.25×4)+7
y = (2.25×4)- 3

2)
$$\begin{cases} y = -7.5x + 6 \\ y = -3.5x - 2 \end{cases}$$

-7.5x+6 = -3.5x- 2
-4x = -8
1x = 2
y = (-7.5×2)+6
y = (-3.5×2)- 2

1. _____ **(4 , 6)**

2. _____ **(2 , -9)**

3. _____ **(4 , 8)**

4. _____ **(-10 , 6)**

3)
$$\begin{cases} y = 2.25x - 1 \\ y = 3.5x - 6 \end{cases}$$

2.25x- 1 = 3.5x- 6
-1.25x = -5
1x = 4
y = (2.25×4)- 1
y = (3.5×4)- 6

4)
$$\begin{cases} y = -1.5x - 9 \\ y = -0.6x + 0 \end{cases}$$

-1.5x- 9 = -0.6x+0
-0.9x = 9
1x = -10
y = (-1.5×-10)- 9
y = (-0.6×-10)+0

5. _____ **(4 , -2)**

6. _____ **(8 , 5)**

7. _____ **(-10 , 6)**

5)
$$\begin{cases} y = 0.25x - 3 \\ y = -1.25x + 3 \end{cases}$$

0.25x- 3 = -1.25x+3
1.5x = 6
1x = 4
y = (0.25×4)- 3
y = (-1.25×4)+3

6)
$$\begin{cases} y = -0.5x + 9 \\ y = 0.75x - 1 \end{cases}$$

-0.5x+9 = 0.75x- 1
-1.25x = -10
1x = 8
y = (-0.5×8)+9
y = (0.75×8)- 1

8. _____ **(2 , 8)**

9. _____ **(-4 , 10)**

10. _____ **(-10 , -3)**

7)
$$\begin{cases} y = -0.4x + 2 \\ y = 0.2x + 8 \end{cases}$$

-0.4x+2 = 0.2x+8
-0.6x = 6
1x = -10
y = (-0.4×-10)+2
y = (0.2×-10)+8

8)
$$\begin{cases} y = 7.5x - 7 \\ y = 4.5x - 1 \end{cases}$$

7.5x- 7 = 4.5x- 1
3x = 6
1x = 2
y = (7.5×2)- 7
y = (4.5×2)- 1

9)
$$\begin{cases} y = -2.75x - 1 \\ y = -1.5x + 4 \end{cases}$$

-2.75x- 1 = -1.5x+4
-1.25x = 5
1x = -4
y = (-2.75×-4)- 1
y = (-1.5×-4)+4

10)
$$\begin{cases} y = -0.5x - 8 \\ y = 0.1x - 2 \end{cases}$$

-0.5x- 8 = 0.1x- 2
-0.6x = 6
1x = -10
y = (-0.5×-10)- 8
y = (0.1×-10)- 2