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

**1)** $\begin{cases} y = 1.5x - 8 \\ y = -0.1x + 8 \end{cases}$

**2)** $\begin{cases} y = -1.3x - 6 \\ y = -0.1x + 6 \end{cases}$

1. _____

2. _____

3. _____

4. _____

**3)** $\begin{cases} y = -0.6x + 7 \\ y = -0.4x + 8 \end{cases}$

**4)** $\begin{cases} y = 0.75x + 5 \\ y = 3.5x - 6 \end{cases}$

5. _____

6. _____

7. _____

**5)** $\begin{cases} y = -0.1x + 2 \\ y = -0.3x + 0 \end{cases}$

**6)** $\begin{cases} y = -2.5x - 8 \\ y = -0.75x - 1 \end{cases}$

8. _____

9. _____

10. _____

**7)** $\begin{cases} y = -1.3x + 4 \\ y = -1.5x + 6 \end{cases}$

**8)** $\begin{cases} y = 0.2x - 2 \\ y = -0.4x + 1 \end{cases}$

**9)** $\begin{cases} y = 0.4x + 5 \\ y = 0.9x + 0 \end{cases}$

**10)** $\begin{cases} y = 3.5x + 4 \\ y = 1.5x + 0 \end{cases}$

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

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

**1)** $\begin{cases} y = 1.5x - 8 \\ y = -0.1x + 8 \end{cases}$

1.5x- 8 = -0.1x+8
1.6x = 16
1x = 10
y = (1.5×10)- 8
y = (-0.1×10)+8

**2)** $\begin{cases} y = -1.3x - 6 \\ y = -0.1x + 6 \end{cases}$

-1.3x- 6 = -0.1x+6
-1.2x = 12
1x = -10
y = (-1.3×-10)- 6
y = (-0.1×-10)+6

1. _____ **(10 , 7)**

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

3. _____ **(-5 , 10)**

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

**3)** $\begin{cases} y = -0.6x + 7 \\ y = -0.4x + 8 \end{cases}$

-0.6x+7 = -0.4x+8
-0.2x = 1
1x = -5
y = (-0.6×-5)+7
y = (-0.4×-5)+8

**4)** $\begin{cases} y = 0.75x + 5 \\ y = 3.5x - 6 \end{cases}$

0.75x+5 = 3.5x- 6
-2.75x = -11
1x = 4
y = (0.75×4)+5
y = (3.5×4)- 6

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

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

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

**5)** $\begin{cases} y = -0.1x + 2 \\ y = -0.3x + 0 \end{cases}$

-0.1x+2 = -0.3x+0
0.2x = -2
1x = -10
y = (-0.1×-10)+2
y = (-0.3×-10)+0

**6)** $\begin{cases} y = -2.5x - 8 \\ y = -0.75x - 1 \end{cases}$

-2.5x- 8 = -0.75x- 1
-1.75x = 7
1x = -4
y = (-2.5×-4)- 8
y = (-0.75×-4)- 1

8. _____ **(5 , -1)**

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

10. _____ **(-2 , -3)**

**7)** $\begin{cases} y = -1.3x + 4 \\ y = -1.5x + 6 \end{cases}$

-1.3x+4 = -1.5x+6
0.2x = 2
1x = 10
y = (-1.3×10)+4
y = (-1.5×10)+6

**8)** $\begin{cases} y = 0.2x - 2 \\ y = -0.4x + 1 \end{cases}$

0.2x- 2 = -0.4x+1
0.6x = 3
1x = 5
y = (0.2×5)- 2
y = (-0.4×5)+1

**9)** $\begin{cases} y = 0.4x + 5 \\ y = 0.9x + 0 \end{cases}$

0.4x+5 = 0.9x+0
-0.5x = -5
1x = 10
y = (0.4×10)+5
y = (0.9×10)+0

**10)** $\begin{cases} y = 3.5x + 4 \\ y = 1.5x + 0 \end{cases}$

3.5x+4 = 1.5x+0
2x = -4
1x = -2
y = (3.5×-2)+4
y = (1.5×-2)+0