Bestimmen Sie für jedes Gleichungssystem den Schnittpunkt in einem Graphen.

1) $\begin{cases} y = 0.9x + 1 \\ y = 1.7x - 7 \end{cases}$

2) $\begin{cases} y = -0.6x + 1 \\ y = -1.2x - 2 \end{cases}$

1. _____

2. _____

3. _____

4. _____

3) $\begin{cases} y = 0.7x + 0 \\ y = 0.3x - 4 \end{cases}$

4) $\begin{cases} y = -0.4x + 7 \\ y = -0.6x + 9 \end{cases}$

5. _____

6. _____

7. _____

8. _____

5) $\begin{cases} y = -1.25x + 4 \\ y = -4.5x - 9 \end{cases}$

6) $\begin{cases} y = 5.5x - 5 \\ y = -0.5x + 7 \end{cases}$

9. _____

10. _____

7) $\begin{cases} y = 1.75x - 5 \\ y = 0.5x + 5 \end{cases}$

8) $\begin{cases} y = -1.2x + 2 \\ y = -1.3x + 3 \end{cases}$

9) $\begin{cases} y = -0.25x - 2 \\ y = 1.5x - 9 \end{cases}$

10) $\begin{cases} y = -0.2x + 3 \\ y = -1.2x + 8 \end{cases}$

Bestimmen Sie für jedes Gleichungssystem den Schnittpunkt in einem Graphen.

1) $\begin{cases} y = 0.9x + 1 \\ y = 1.7x - 7 \end{cases}$

$0.9x+1 = 1.7x- 7$
$-0.8x = -8$
$1x = 10$
$y = (0.9×10)+1$
$y = (1.7×10)- 7$

2) $\begin{cases} y = -0.6x + 1 \\ y = -1.2x - 2 \end{cases}$

$-0.6x+1 = -1.2x- 2$
$0.6x = -3$
$1x = -5$
$y = (-0.6×-5)+1$
$y = (-1.2×-5)- 2$

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

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

3) $\begin{cases} y = 0.7x + 0 \\ y = 0.3x - 4 \end{cases}$

$0.7x+0 = 0.3x- 4$
$0.4x = -4$
$1x = -10$
$y = (0.7×-10)+0$
$y = (0.3×-10)- 4$

4) $\begin{cases} y = -0.4x + 7 \\ y = -0.6x + 9 \end{cases}$

$-0.4x+7 = -0.6x+9$
$0.2x = 2$
$1x = 10$
$y = (-0.4×10)+7$
$y = (-0.6×10)+9$

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

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

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

5) $\begin{cases} y = -1.25x + 4 \\ y = -4.5x - 9 \end{cases}$

$-1.25x+4 = -4.5x- 9$
$3.25x = -13$
$1x = -4$
$y = (-1.25×-4)+4$
$y = (-4.5×-4)- 9$

6) $\begin{cases} y = 5.5x - 5 \\ y = -0.5x + 7 \end{cases}$

$5.5x- 5 = -0.5x+7$
$6x = 12$
$1x = 2$
$y = (5.5×2)- 5$
$y = (-0.5×2)+7$

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

7. _____ **(8 , 9)**

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

7) $\begin{cases} y = 1.75x - 5 \\ y = 0.5x + 5 \end{cases}$

$1.75x- 5 = 0.5x+5$
$1.25x = 10$
$1x = 8$
$y = (1.75×8)- 5$
$y = (0.5×8)+5$

8) $\begin{cases} y = -1.2x + 2 \\ y = -1.3x + 3 \end{cases}$

$-1.2x+2 = -1.3x+3$
$0.1x = 1$
$1x = 10$
$y = (-1.2×10)+2$
$y = (-1.3×10)+3$

9. _____ **(4 , -3)**

10. _____ **(5 , 2)**

9) $\begin{cases} y = -0.25x - 2 \\ y = 1.5x - 9 \end{cases}$

$-0.25x- 2 = 1.5x- 9$
$-1.75x = -7$
$1x = 4$
$y = (-0.25×4)- 2$
$y = (1.5×4)- 9$

10) $\begin{cases} y = -0.2x + 3 \\ y = -1.2x + 8 \end{cases}$

$-0.2x+3 = -1.2x+8$
$1x = 5$
$1x = 5$
$y = (-0.2×5)+3$
$y = (-1.2×5)+8$

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