

Name _____ Block _____

Chapter 7 Review

Solve the System

1) $y = x - 4$
 $y = -4x + 26$

2) $y = x + 4$
 $y = -2x + 19$

3) $y = -2x + 1$
 $3x + 5y = -23$

4) $x + 4y = 1$
 $y = -x + 4$

$$\begin{aligned} 5) \quad & 3x - 2y = 1 \\ & 2x + 2y = 4 \end{aligned}$$

$$\begin{aligned} 6) \quad & 2x + y = 4 \\ & x - y = 2 \end{aligned}$$

$$\begin{aligned} 7) \quad & 3x + 4y = 24 \\ & x - 2y = -2 \end{aligned}$$

$$\begin{aligned} 8) \quad & x + 2y = 5 \\ & 5x - y = 3 \end{aligned}$$

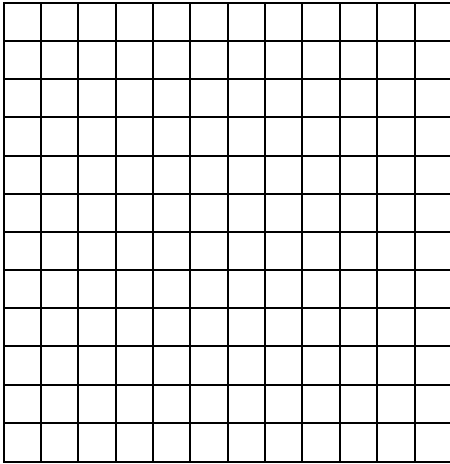
$$\begin{aligned} 9) \quad & -3x + 8y = -4 \\ & 6x - 16y = 22 \end{aligned}$$

$$\begin{aligned} 10) \quad & x + y = 6 \\ & 3x + 3y = 3 \end{aligned}$$

$$\begin{aligned} 11) \quad & x + 2y = 5 \\ & 3x + 6y = 15 \end{aligned}$$

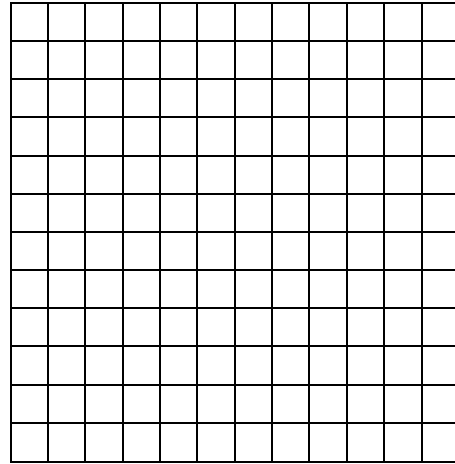
$$\begin{aligned} 12) \quad & 2x - 3y = 3 \\ & -6x + 9y = -9 \end{aligned}$$

Graph the system. Check your solution



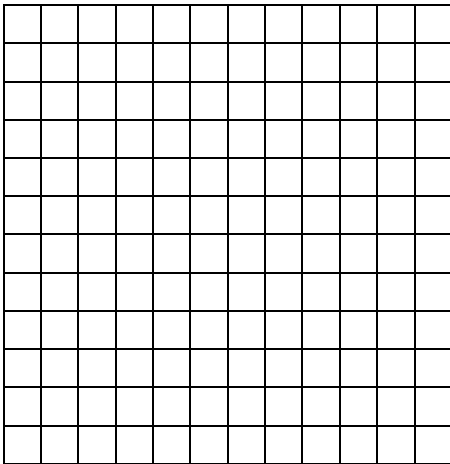
13) $y = 3x + 2$

$x = -2$



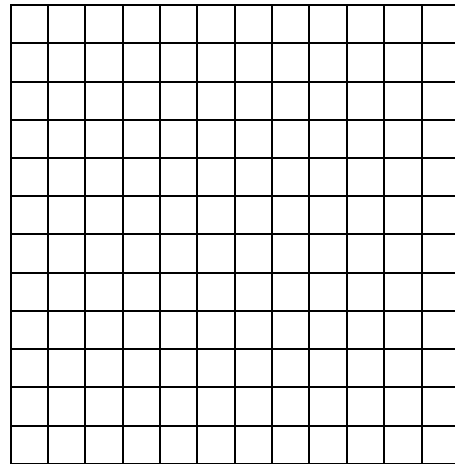
14) $y = \frac{1}{2}x + 5$

$y = -3x + 5$



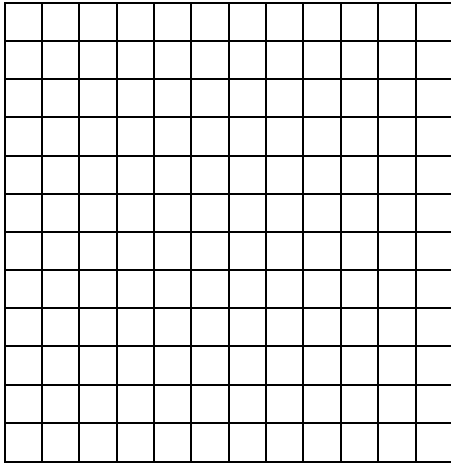
15) $y = -2x + 5$

$y = \frac{1}{3}x - 2$

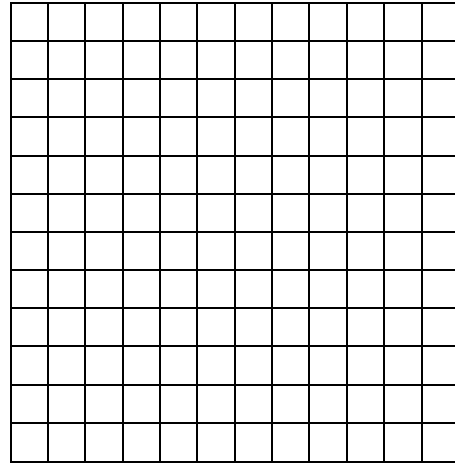


16) $y = x$

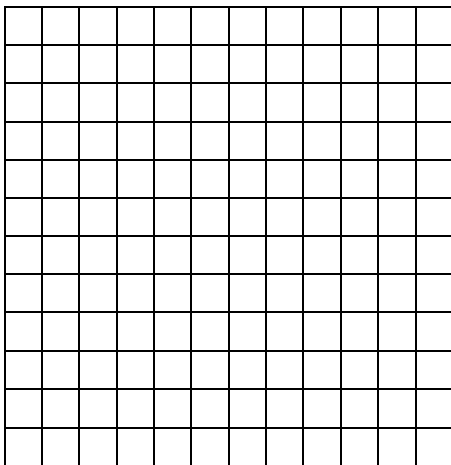
$y = 2x + 2$



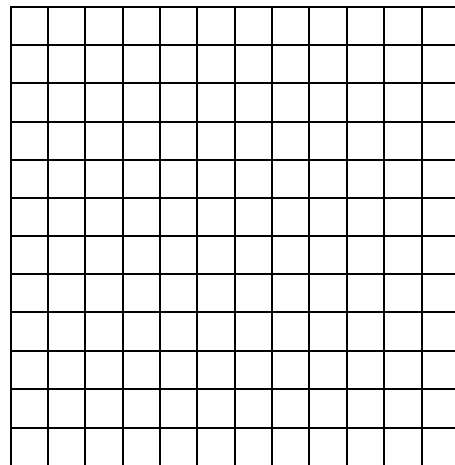
17) $5x + 3y = 15$
 $4x - 3y = 12$



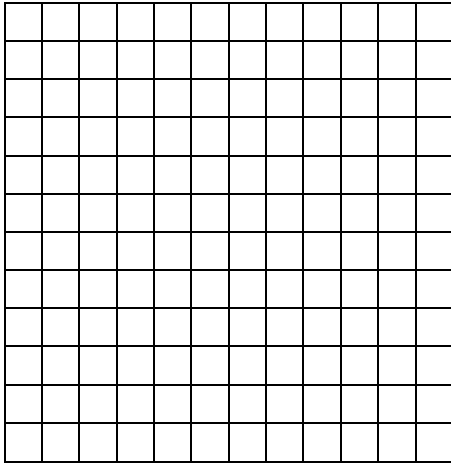
18) $-2x + 4y = 12$
 $5x - 2y = 10$



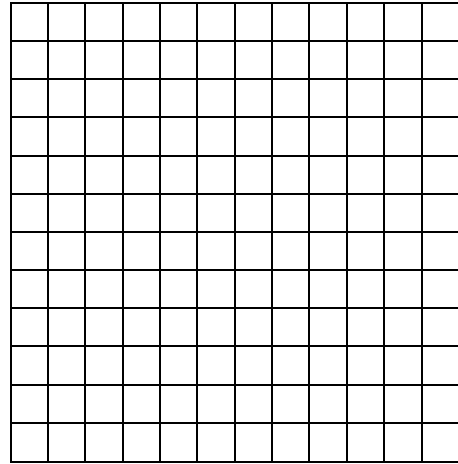
19) $x - y = -2$
 $x + y = 4$



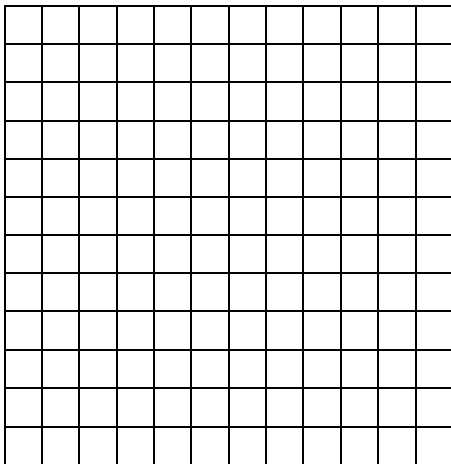
20) $6x + 3y = -6$
 $x = -3$



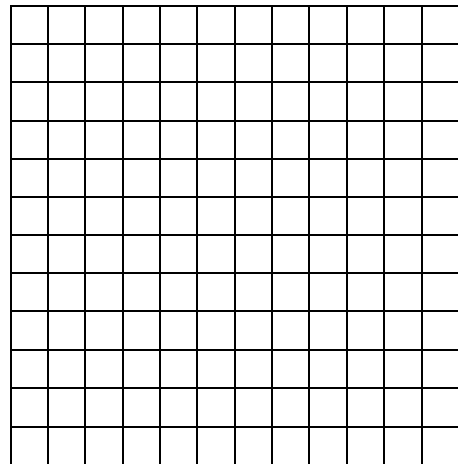
21) $y > x + 1$
 $y < x + 3$



22) $x + y < -2$
 $x - 4y \geq -4$



23) $y > x - 3$
 $x - y > -2$
 $x \leq 3$



24) $y > x - 4$
 $y \geq -x - 1$
 $y \leq 0$