

Solving Systems by Substitution

Date _____ Period _____

Solve each system by substitution.

1) $y = -4x - 21$
 $y = 2x + 9$

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

3) $y = 6x - 3$
 $y = 8x - 3$

4) $y = -4x + 1$
 $y = -3x$

5) $y = 2x + 12$
 $y = x + 6$

6) $y = -4x - 20$
 $y = -5x - 23$

7) $y = 3x - 12$
 $-8x - 6y = 20$

8) $-2x + 4y = -12$
 $y = -3x + 18$

9) $8x - 7y = -19$
 $y = -4x + 13$

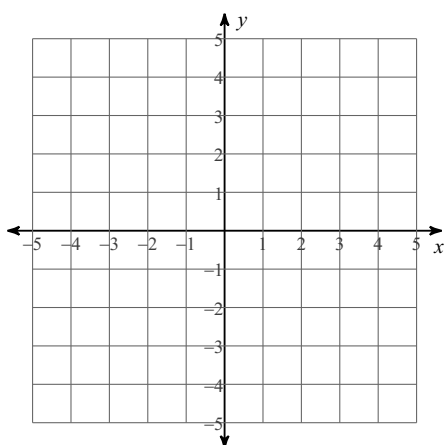
10) $y = -2$
 $-x - 2y = 3$

$$\begin{aligned} 11) \quad & x + 2y = -12 \\ & -2x + 6y = -6 \end{aligned}$$

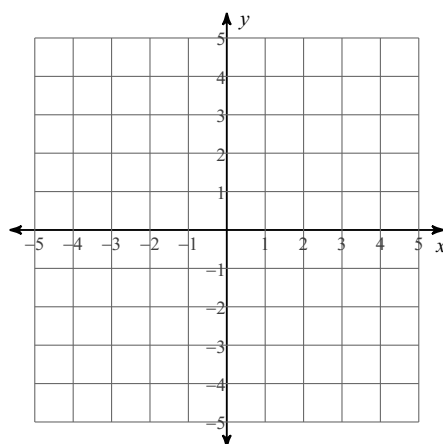
$$\begin{aligned} 12) \quad & -7x + 5y = -9 \\ & x + y = -9 \end{aligned}$$

Solve each system by graphing.

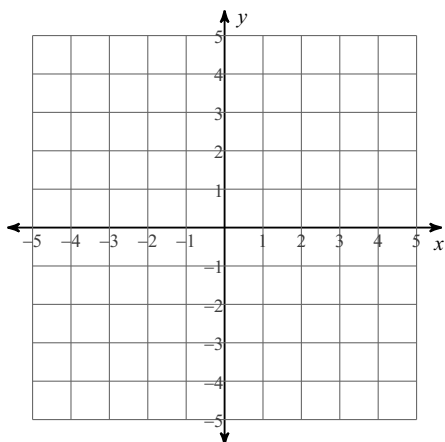
$$\begin{aligned} 13) \quad & y = -x + 3 \\ & y = 6x - 4 \end{aligned}$$



$$\begin{aligned} 14) \quad & y = -x - 2 \\ & y = -\frac{1}{4}x + 1 \end{aligned}$$



$$\begin{aligned} 15) \quad & y = -\frac{5}{3}x - 3 \\ & y = \frac{1}{3}x + 3 \end{aligned}$$



$$\begin{aligned} 16) \quad & y = x - 2 \\ & y = -3x + 2 \end{aligned}$$

