

D3 Systems of Equations CW

Date _____ Period _____

Solve each system by EVM

1) $y = 6x - 13$
 $y = x - 3$

2) $y = 3x - 6$
 $y = -3x + 18$

3) $y = x + 2$
 $y = 4x - 13$

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

Solve each system by substitution

5) $y = 4x + 5$
 $3x + 2y = -12$

6) $y = -5x - 18$
 $-6x + 6y = 0$

7) $-8x + 4y = 0$
 $y = 5x - 9$

8) $y = 6x + 9$
 $3x - 7y = -24$

9) $2x - y = -9$
 $y = -3x - 21$

10) $-7x + y = 2$
 $-7x + 8y = 16$

11) $-4x - 6y = -22$
 $x + 8y = -1$

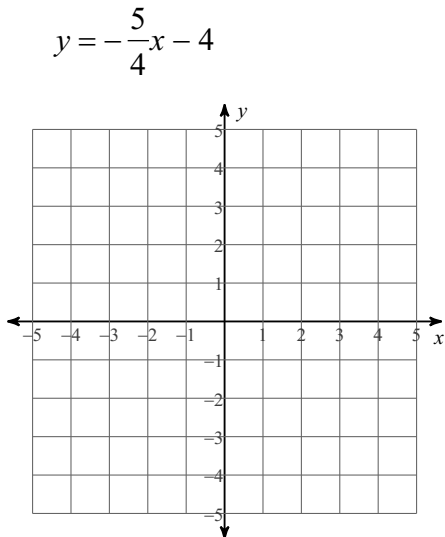
12) $-2x - y = -2$
 $-6x + y = -22$

$$13) \begin{aligned} y &= 8 \\ -x - 2y &= -23 \end{aligned}$$

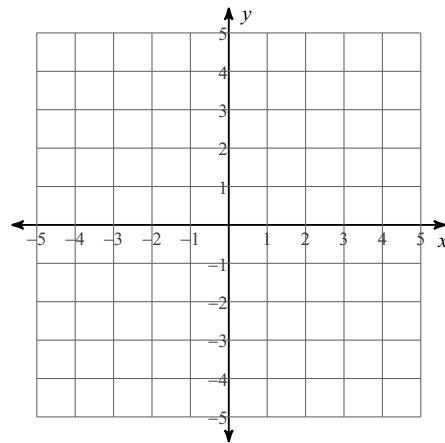
$$14) \begin{aligned} -5x - 5y &= 10 \\ -3x - 2y &= 11 \end{aligned}$$

Solve each system by graphing.

$$15) \begin{aligned} y &= \frac{1}{2}x + 3 \\ y &= -\frac{5}{4}x - 4 \end{aligned}$$



$$16) \begin{aligned} y &= 4x + 2 \\ y &= -x - 3 \end{aligned}$$



Solve each system by elimination.

$$17) \begin{aligned} 3x + y &= -3 \\ -3x - 2y &= -6 \end{aligned}$$

$$18) \begin{aligned} -3x - 4y &= -3 \\ 3x - 3y &= -18 \end{aligned}$$

$$19) \begin{aligned} -3x + 5y &= 2 \\ -3x + 6y &= -3 \end{aligned}$$

$$20) \begin{aligned} x - 3y &= 19 \\ 4x - 3y &= 13 \end{aligned}$$

$$21) \begin{aligned} x - 5y &= 0 \\ -5x + 10y &= 15 \end{aligned}$$

$$22) \begin{aligned} -8x - 6y &= 18 \\ -6x - 12y &= 6 \end{aligned}$$