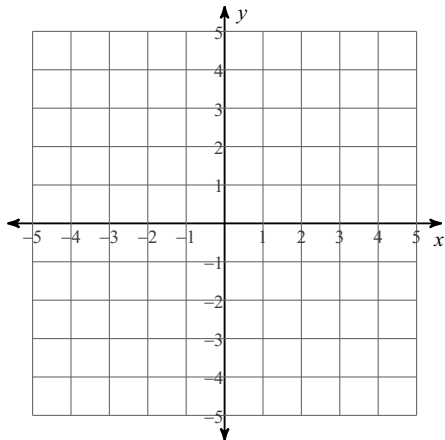


Solving Systems of Equations Review

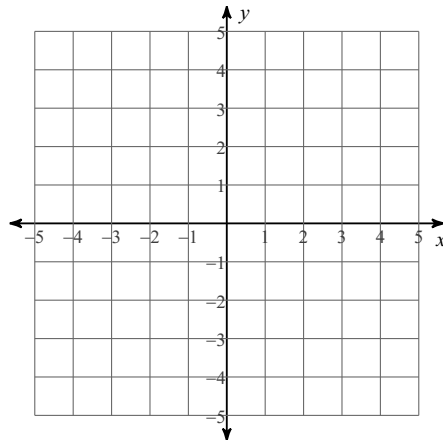
Date _____ Period _____

Solve each system by graphing.

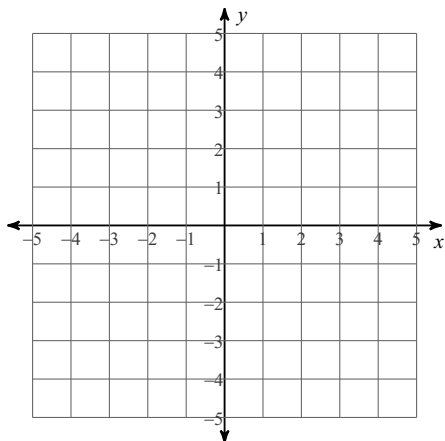
$$\begin{aligned} 1) \quad & y = 5x - 1 \\ & y = x + 3 \end{aligned}$$



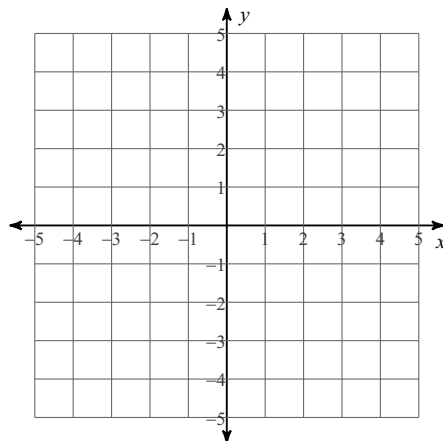
$$\begin{aligned} 2) \quad & y = 2x - 2 \\ & y = 2x + 4 \end{aligned}$$



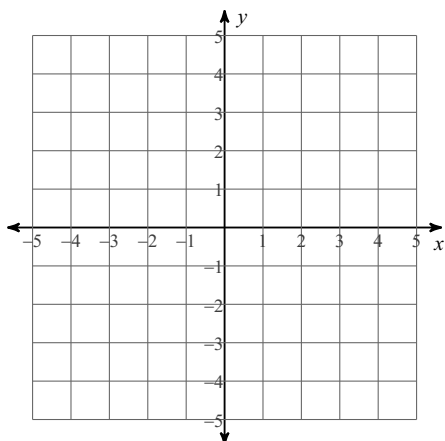
$$\begin{aligned} 3) \quad & y = -x - 4 \\ & y = 5x + 2 \end{aligned}$$



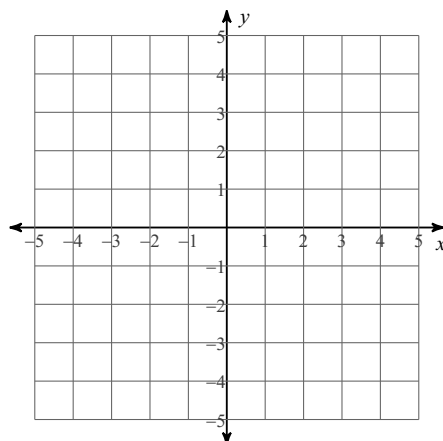
$$\begin{aligned} 4) \quad & y = -5x + 1 \\ & y = -x - 3 \end{aligned}$$



$$\begin{aligned} 5) \quad & y = -7x - 4 \\ & y = x + 4 \end{aligned}$$



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



Solve each system by substitution.

7) $y = -2x - 16$
 $y = x - 1$

8) $y = -2x + 12$
 $y = -3x + 15$

9) $-3x + 2y = -15$
 $y = -3x + 15$

10) $5x - 5y = -15$
 $y = -6x - 18$

11) $y = x + 3$
 $3x - 4y = -12$

12) $y = 3x - 3$
 $6x - 5y = 15$

13) $x - 4y = -5$
 $-3x + 3y = 15$

14) $6x + 5y = -5$
 $x - 2y = -15$

Solve each system by elimination.

15) $-3x - 6y = -18$
 $3x + y = -2$

16) $-4x + 5y = 17$
 $4x - 3y = -15$

17) $4x - 4y = -4$
 $-x - 4y = -14$

18) $4x - 2y = -6$
 $4x - 6y = -10$

19) $-x - 4y = -5$
 $-3x - 2y = -5$

20) $-8x + y = 18$
 $-2x + 6y = 16$

21) $-7x + 5y = -10$
 $-x + y = 0$

22) $-12x + y = -1$
 $6x - 2y = 2$

23) James and Alberto are selling flower bulbs for a school fundraiser. Customers can buy bags of windflower bulbs and bags of daffodil bulbs. James sold 11 bags of windflower bulbs and 6 bags of daffodil bulbs for a total of \$108. Alberto sold 2 bags of windflower bulbs and 3 bags of daffodil bulbs for a total of \$33. What is the cost each of one bag of windflower bulbs and one bag of daffodil bulbs?

24) Cody and Scott are selling cheesecakes for a school fundraiser. Customers can buy New York style cheesecakes and apple cheesecakes. Cody sold 8 New York style cheesecakes and 1 apple cheesecake for a total of \$57. Scott sold 1 New York style cheesecake and 2 apple cheesecakes for a total of \$39. Find the cost each of one New York style cheesecake and one apple cheesecake.