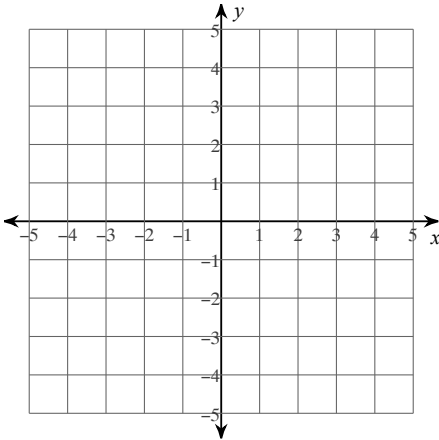


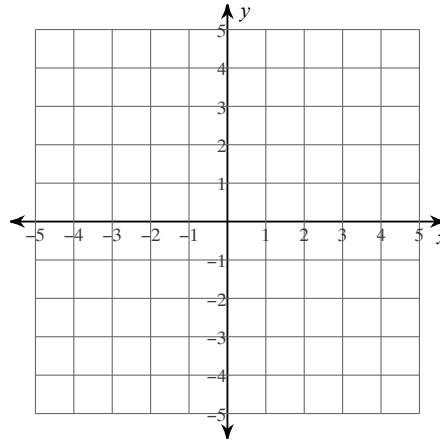
SOLVING SYSTEMS REVIEW

Solve each system by graphing.

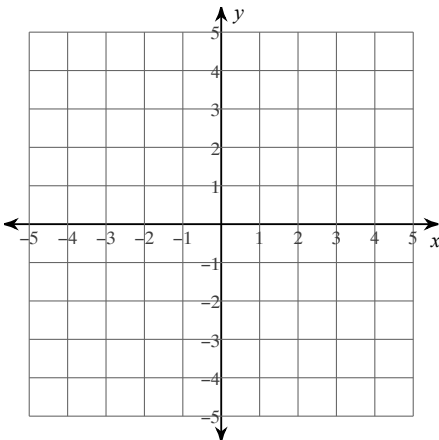
$$1) \begin{aligned} y &= 2x - 2 \\ y &= \frac{2}{3}x + 2 \end{aligned}$$



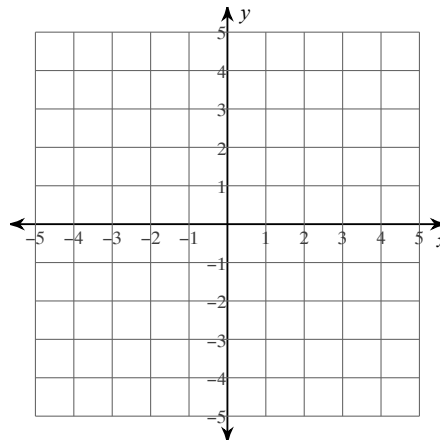
$$2) \begin{aligned} y &= \frac{3}{4}x + 2 \\ y &= \frac{3}{4}x + 3 \end{aligned}$$



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



$$4) \begin{aligned} x + y &= 3 \\ 6x + y &= -2 \end{aligned}$$



Solve each system by substitution.

5) $y = -4x - 21$
 $-8x - 2y = 42$

6) $y = -3x - 13$
 $-8x + 4y = -12$

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

8) $-8x + 5y = 1$
 $x - 3y = -12$

Solve each system by elimination.

9) $x + 5y = -13$
 $x - 5y = 17$

10) $-9x + 2y = -5$
 $-6x - 2y = -10$

11) $-6x + 7y = 14$
 $-6x + 3y = 30$

12) $6x - 4y = -30$
 $-3x - 7y = 15$

**WHAT WOULD BE THE BEST WAY TO SOLVE THIS SYSTEM? WHY?
(GRAPHING, SUBSTITUTION, OR ELIMINATION)**

13) $12x + y = -30$
 $6x + 8y = 30$

14) $y = -\frac{1}{2}x - 4$
 $y = -\frac{1}{2}x + 1$

15) $7x - 8y = -15$
 $y = x + 2$

16) $y = -8x - 19$
 $-7x + 4y = 2$

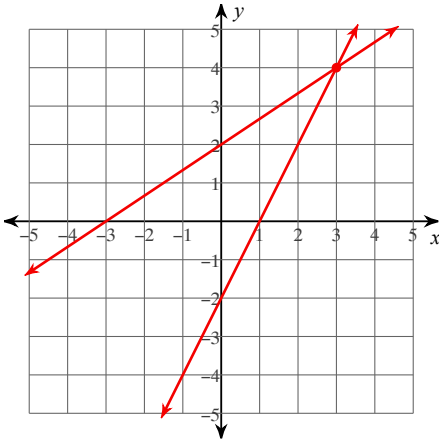
17) $2x - 3y = -10$
 $-2x + 2y = 8$

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

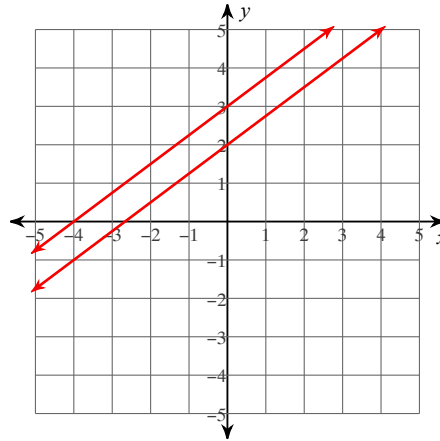
SOLVING SYSTEMS REVIEW

Solve each system by graphing.

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

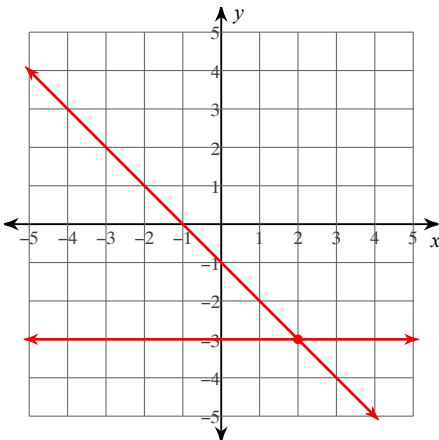
 $(3, 4)$

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

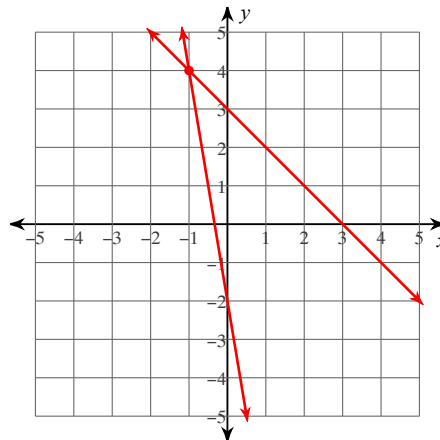


No solution

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

 $(2, -3)$

$$4) \begin{aligned} x + y &= 3 \\ 6x + y &= -2 \end{aligned}$$

 $(-1, 4)$

Solve each system by substitution.

5) $y = -4x - 21$
 $-8x - 2y = 42$

Infinite number of solutions

6) $y = -3x - 13$
 $-8x + 4y = -12$

$(-2, -7)$

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

$(-4, 6)$

8) $-8x + 5y = 1$
 $x - 3y = -12$

$(3, 5)$

Solve each system by elimination.

9) $x + 5y = -13$
 $x - 5y = 17$

$(2, -3)$

10) $-9x + 2y = -5$
 $-6x - 2y = -10$

$(1, 2)$

11) $-6x + 7y = 14$
 $-6x + 3y = 30$

$(-7, -4)$

12) $6x - 4y = -30$
 $-3x - 7y = 15$

$(-5, 0)$

**WHAT WOULD BE THE BEST WAY TO SOLVE THIS SYSTEM? WHY?
(GRAPHING, SUBSTITUTION, OR ELIMINATION)**

13) $12x + y = -30$
 $6x + 8y = 30$

$(-3, 6)$

14) $y = -\frac{1}{2}x - 4$
 $y = -\frac{1}{2}x + 1$

No solution

15) $7x - 8y = -15$
 $y = x + 2$

$(-1, 1)$

16) $y = -8x - 19$
 $-7x + 4y = 2$

$(-2, -3)$

17) $2x - 3y = -10$
 $-2x + 2y = 8$

$(-2, 2)$

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

$(2, -4)$