

6.1 Graphically solve a system of linear equations using technology – Part 3

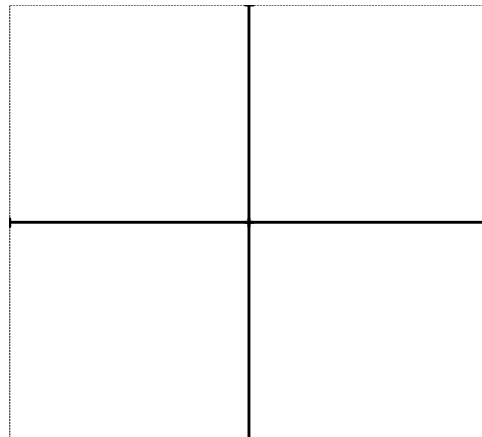
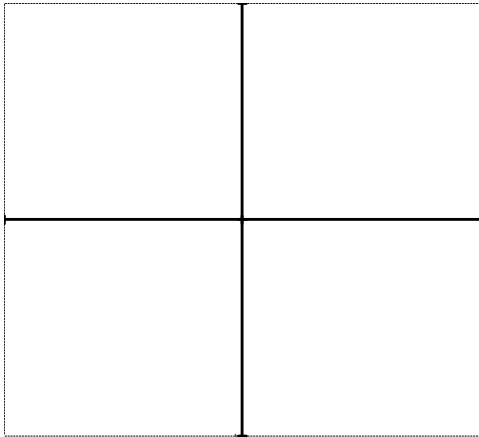
- A. Write each equation in slope-intercept form. Graph the lines using technology
- B. Sketch the lines
- C. Determine the intersection points of the lines
- D. Check your solution.

1. $x + 2y = 8$
 $3x + 4y = 20$

Rewrite:

2. $x + 2y = 3$
 $2x - y = 1$

Rewrite:



Solution: _____

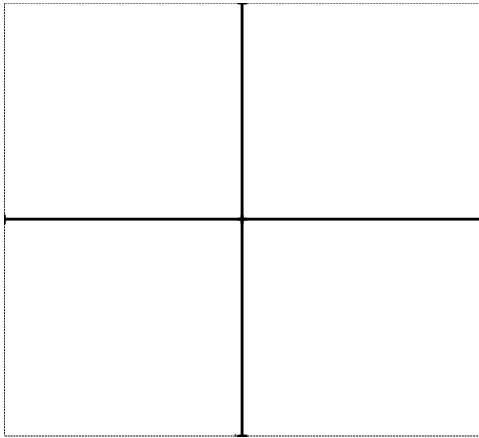
Check:

Solution: _____

Check:

3. $x + 2y = 6$
 $2x + y = 6$

Rewrite:

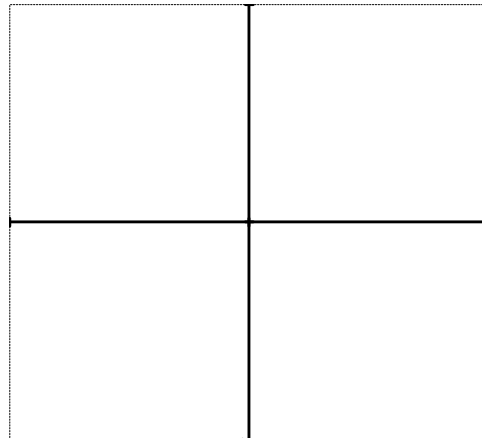


Solution: _____

Check:

4. $12x + 6y = 23$
 $12x + 18y = 55$

Rewrite:



Solution: _____

Check:

5. $2x - 5y = 4$
 $-4x + 10y = -8$

Rewrite:

Solution: _____

Check:

6. $3x + 5y = 6$
 $x + y = 3$

Rewrite:

Solution: _____

Check:

7. $2x + y = 1$
 $x + 2y = -1$

Rewrite:

8. $3x + 2y = 8$

$6x + 4y = 12$

Rewrite:

Solution: _____

Check:

Solution: _____

Check: