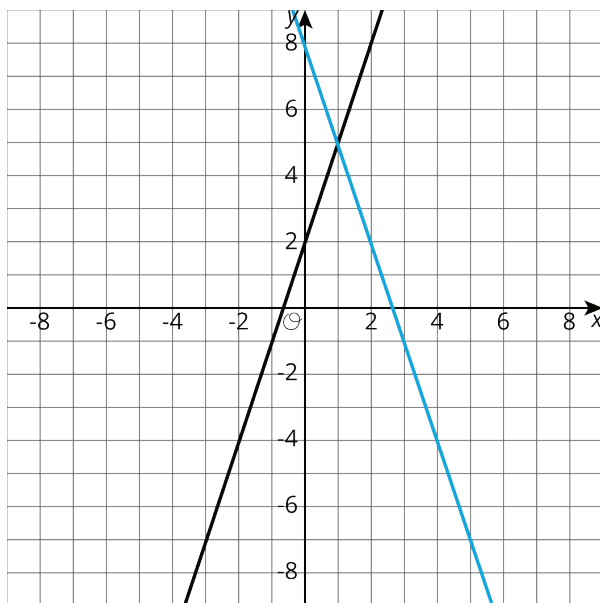


## Lesson 14 Practice Problems

1. a. Write equations for the lines shown.



- b. Describe how to find the solution to the corresponding system by looking at the graph.
- c. Describe how to find the solution to the corresponding system by using the equations.
2. The solution to a system of equations is  $(5, -19)$ . Choose two equations that might make up the system.
- A.  $y = -3x - 6$
  - B.  $y = 2x - 23$
  - C.  $y = -7x + 16$
  - D.  $y = x - 17$
  - E.  $y = -2x - 9$

3. Solve the system of equations:  $\begin{cases} y = 4x - 3 \\ y = -2x + 9 \end{cases}$

4. Solve the system of equations:  $\begin{cases} y = \frac{5}{4}x - 2 \\ y = \frac{-1}{4}x + 19 \end{cases}$

5. Here is an equation:  $\frac{15(x-3)}{5} = 3(2x - 3)$

a. Solve the equation by using the distributive property first.

b. Solve the equation without using the distributive property.

c. Check your solution.

(From Unit 4, Lesson 14.)