

## Lesson 14 Practice Problems

1. Solve:  $\begin{cases} y = 6x \\ 4x + y = 7 \end{cases}$

2. Solve:  $\begin{cases} y = 3x \\ x = -2y + 70 \end{cases}$

3. Which equation, together with  $y = -1.5x + 3$ , makes a system with one solution?

A.  $y = -1.5x + 6$

B.  $y = -1.5x$

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

D.  $2y + 3x = 6$

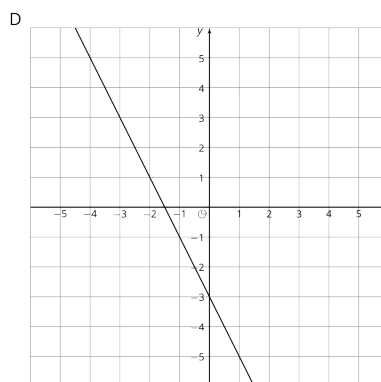
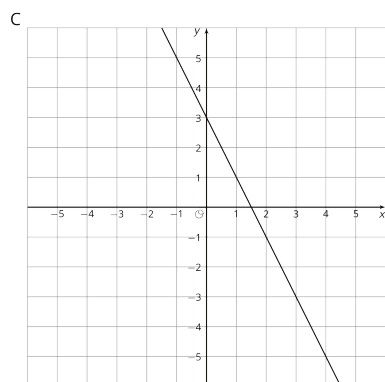
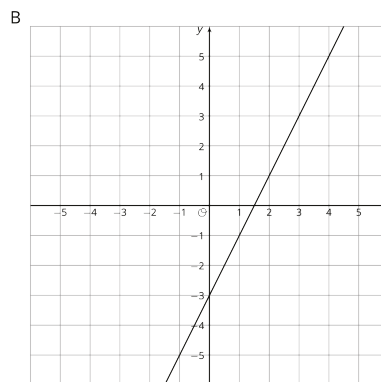
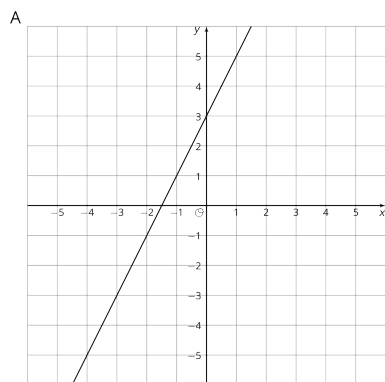
E.  $y = -2x + 3$

4. The system  $x - 6y = 4$ ,  $3x - 18y = 4$  has no solution.

a. Change one constant or coefficient to make a new system with one solution.

b. Change one constant or coefficient to make a new system with an infinite number of solutions.

5. Match each graph to its equation.



a.  $y = 2x + 3$

b.  $y = -2x + 3$

c.  $y = 2x - 3$

d.  $y = -2x - 3$

(From Unit 3, Lesson 11.)

6. Here are two points:  $(-3, 4)$ ,  $(1, 7)$ . What is the slope of the line between them?

A.  $\frac{4}{3}$

B.  $\frac{3}{4}$

C.  $\frac{1}{6}$

D.  $\frac{2}{3}$

(From Unit 3, Lesson 10.)