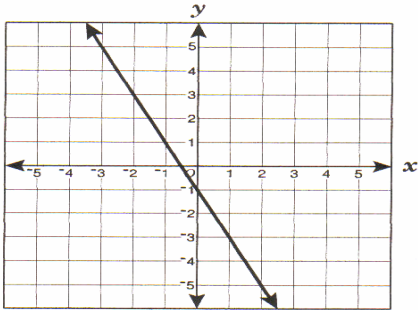


## SOL Mini-Challenge

## Equations and Inequalities A.8

Read and solve each question.

1.



Which best represents the equation of the line shown?

- F.  $y = 2x + 1$
  - G.  $y = 2x - 1$
  - H.  $y = -2x + 1$
  - J.  $y = -2x - 1$
2. Which is an equation of a line that has a slope of  $-\frac{1}{2}$  and contains the point (2, 3)?
- A.  $y = 2x - \frac{1}{2}$
  - B.  $y = -\frac{x}{2} + 4$
  - C.  $y = \frac{x}{2} + 3$
  - D.  $y = 3x + 2$
3. Which is an equation for the line that contains the points (-3, 5) and (1, -3)?
- A.  $y = -x + 2$
  - B.  $y = -2x - 1$
  - C.  $y = -\frac{1}{2}x - \frac{3}{2}$
  - D.  $y = \frac{3}{2}x - \frac{9}{2}$

4. Which is an equation for the line containing points (0, 0) and (6, -4)?

A.  $y = 0$

B.  $x = 0$

C.  $y = \frac{2}{3}x$

D.  $y = -\frac{2}{3}x$

5. Which is an equation for the line with an undefined slope and containing the point (4,2)?

F.  $x = 4$

G.  $y = 2$

H.  $y = 4x$

J.  $y = \frac{1}{2}x$

6. Which is an equation for the line containing the points (8, 6) and (3, 6)?

F.  $x = 6$

G.  $y = 6$

H.  $y = -\frac{2}{3}x + 8$

J.  $x = 3$