

## Spiral #8

Solve each equation.

1)  $167 = 7 - 10x$

$\{-16\}$

2)  $-8(x + 8) = -160$

$\{12\}$

Simplify each expression.

3)  $-6(1 + a) - 9a$

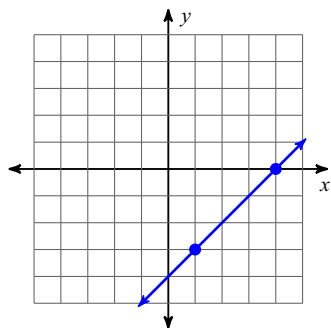
$-6 - 15a$

4)  $-8(6 + 10m) + 10m$

$-48 - 70m$

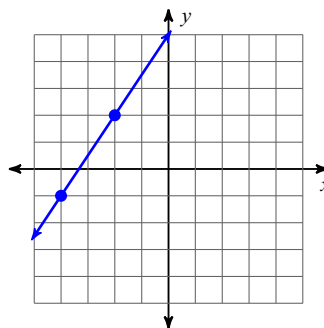
Find the slope of each line.

5)



1

6)

 $\frac{3}{2}$

**Find the slope of the line through each pair of points.**

7)  $(6, -14), (4, 5)$

$$-\frac{19}{2}$$

8)  $(3, -9), (16, -12)$

$$-\frac{3}{13}$$

**Find the slope of each line.**

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

$$-\frac{1}{2}$$

10)  $y = -x + 2$

$$-1$$

**Simplify each expression.**

11)  $5n - 7 + n - 7$

$$6n - 14$$

12)  $n + 3 - 6 + 6n$

$$7n - 3$$

**Write each as an algebraic expression.**

13) the product of 5 and c

$$5c$$

14) the quotient of 28 and 4

$$\frac{28}{4}$$

15) the sum of 6 and 6

$$6 + 6$$

16) the difference of m and 6

$$m - 6$$