

## Spiral #4

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

$$1) 3(n - 10) + 8(1 + 2n)$$

$$19n - 22$$

$$2) 9(9 + 5n) - 2(7n - 6)$$

$$93 + 31n$$

**Evaluate each expression.**

$$3) (4 - 3 + 5)(6 - 5)$$

$$6$$

$$4) 5 \times (8 \times 2) \div (2 + 2)$$

$$20$$

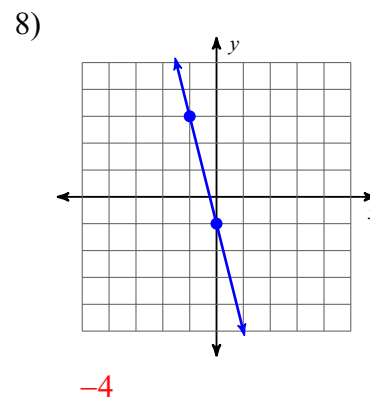
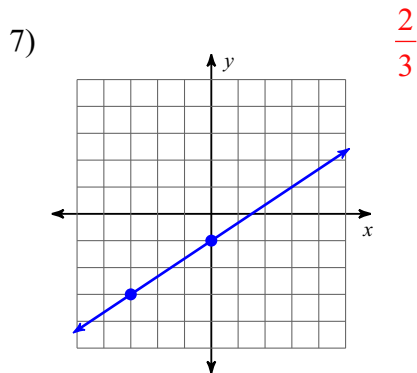
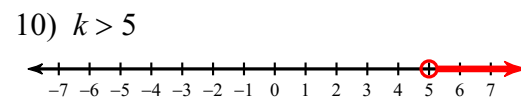
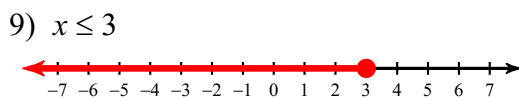
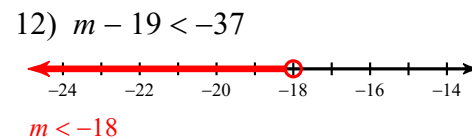
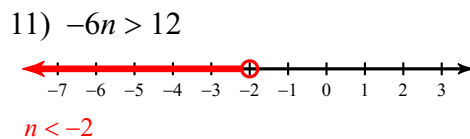
**Solve each equation.**

$$5) -3(1 + r) = 15$$

$$\{-6\}$$

$$6) \frac{b}{3} + 6 = 6$$

$$\{0\}$$

**Find the slope of each line.****Draw a graph for each inequality.****Solve each inequality and graph its solution.****Solve each equation.**

$$13) -8(4 + 3x) = 36 - 7x$$

$$\{-4\}$$

$$14) 7(6b + 8) = -8b + 6$$

$$\{-1\}$$