

## Getting Ready for Chapter 9

1. Write each word statement ***using symbols***:

- a) -8 is greater than -11
- b) 0 is less than 12
- c) 6 multiplied by -4
- d) 15 is not equal to -15
- e) 10 is equal to  $\frac{40}{4}$

2. Write each mathematical statement ***in words***:

- a)  $15 > 9$
- b)  $8 \neq 2$
- c)  $15 \div 3$
- d)  $7 < 20$
- e)  $-6 \leq -1$

3. **Integers:**  $\{ \dots, -3, -2, -1, 0, 1, 2, 3, \dots \}$

List all of the ***integers*** that satisfy the following:

- a) between -1 and 5
- b) between -2.3 and 4.4
- c) between -7 and -3
- d) larger than 15 but smaller than 25
- e) less than 1.25 but greater than -5

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4. Insert either the less than symbol ( $<$ ) or the greater than symbol ( $>$ ) between the two numbers to make the statement true:

- a) 8      14
- b) -3      -3.5
- c) 17      19
- d) 0      -0.25
- e) -50      -100

5. **Whole Numbers:** { 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, ... }

List the whole numbers that satisfy each statement:

- a)  $n \leq 12$
- b) Between 2 and 8
- c)  $x > 6$
- d)  $a < 4$
- e) Between 0 and 5
- f)  $m \geq 9$