

## Prealgebra Review HW #1: Symbols & Sets of Numbers

Insert  $<$ ,  $>$ , or  $=$  to make the statement true.

1)  $28$  \_\_\_\_\_  $-81$

2)  $-67$  \_\_\_\_\_  $-25$

3)  $0$  \_\_\_\_\_  $4$

4)  $-6$  \_\_\_\_\_  $0$

Write the sentence as a mathematical statement.

5) Eight is greater than or equal to seven.

6) Negative thirty-three is less than negative eleven.

If  $R$  is the set of real numbers,  $Q$  is the set of rational numbers,  $I$  is the set of integers,  $N$  is the set of natural numbers, and  $S$  is the set of irrational numbers, list the set(s) to which the given number belongs. If the number does not belong to any, state none.

7)  $-9$

8)  $3\frac{1}{4}$

9)  $\sqrt{11}$

List all numbers from the set that are whole numbers.

10)  $\{-5, -\frac{1}{5}, 0, 0.14, \sqrt{15}, 9.8, \sqrt{25}\}$

## Answer Key

Testname: PREALGEBRA REVIEW HW #1

- 1)  $>$
- 2)  $<$
- 3)  $<$
- 4)  $<$
- 5)  $8 \geq 7$
- 6)  $-33 < -11$
- 7) I, Q, R
- 8) Q, R
- 9) S, R
- 10)  $\{0, \sqrt{25}\}$