

NAME _____


HW # _____


1. What is the best sequence of words that describe the set of numbers listed below?


$$\left\{1\frac{3}{5}, -10, 0.5\bar{1}, \sqrt{12}, 17\right\}$$

- (1) rational, integer, irrational, irrational, natural
- (2) rational, irrational, rational, irrational, whole
- (3) rational, real, rational, real, natural
- (4) real, integer, rational, rational, natural

2. Identify the set of numbers that best describes the situation (Natural, Whole, Integer, Rational, Irrational)

a) The number of people wearing glasses in a room. 

b) A person's shoe size. 

c) The daily high and low temperature as reported by the news. 

Write all names that describe each number (Real, Irrational, Rational, Integer, Whole, Natural)

3. -17.84 _____

4. $\frac{\sqrt{81}}{3}$ _____

5. $\sqrt{30}$ _____

Tell whether the given statement is true or false. Explain why.

6. All whole numbers are rational numbers: *True or False*
Explanation:

7. All rational numbers are integers: *True or False*
Explanation:

8. Some real numbers are irrational: *True or False*
Explanation: