Objective #4

Classify real numbers

1. Name the integers in the set: $\left\{23,\ \sqrt{3},\ 3.34,\ 0,\ -2.7777,\ \frac{7}{9},\ -3\right\}$

irrational, rational, rational, rational

The integers are 23, 0, -3

2. What is the best classification for -9?

[A] irrational number, real number

[B] rational number, real number

[C] integer, rational number, real number

[D] whole number, integer, real number

more complete

3. Which of the following is false?

[A] Real numbers are irrational numbers.

[B] The digits are whole numbers from 0 to 9. True

[C] Zero is a nonpositive integer. True

[D] The set of integers is $\{\ldots, -3, -2, -1, 0, 1, 2, 3, \ldots\}$. True

4. Name all of the sets of numbers of which 1.6 is an element:
natural numbers, whole numbers, integers, rational numbers, irrational numbers, real numbers