Algebra 2   Bellwork   Friday, Sept. 5, 2014

1. List ALL the catergories of Real Numbers that each of the below belongs to.

a. 1.73 b. $\sqrt{7}$ c. -43 d. $\dfrac{87}{3}$ e. $1.030030003\ldots$ f. $-\sqrt{289}$

2. The sides of a triangle are in the ratio of 3:4:7. The perimeter of the triangle is 175. Write and solve an equation to find the lengths of the three sides.

3. Four consecutive integers have a sum of 258. Write and solve an equation to find these four integers.

4. Three consecutive even numbers have a sum of -132. Write and solve an equation to find these three numbers.