Math 8/8H

**HW 1.1a**

*I can explain that numbers are rational or irrational.*

*Categorize the following numbers as Rational or Irrational.* ***You can write R or I.***

1. 5 ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 54.6 ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. $4.\overbar{7}$ ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 3.423 ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. $^{4}/\_{7}$ ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. $^{21}/\_{8}$ ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 3.14159…… ­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. $\sqrt{4}$ ­­­­ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. $\sqrt{10}$ ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. $13.\overbar{762}$ ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Explain what would result if the numbers in the problems above became negative.
12. Pick three of the above numbers and explain why you said they are rational numbers.
13. Pick two of the above numbers and explain why you said they are irrational numbers.