**Homework Sheet # 8M** Name:

Parent Signature: Date: Period:

*Show all work* - ***NO CALCULATORS! Due: Thursday 10/23***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1.** List the rational numbers in ascending order.

 $\frac{4}{5}$ , -1.4 , 0.75 , - $2\frac{1}{3}$ , 21%

**2.** What integer is the opposite of the value of point *T* on the number line?



**3.** List the following temperatures in descending order.

 **-21°, 5°, 16°, -16°, 0°, -13°**

**4.** What is the absolute value of 45?

**5.** True or False

 **The answer to an absolute value question is always positive.**

**6.** $ \left|-9\right|- \left|-8\right|= $

**7. Name all points that have a positive X coordinate and a negative Y coordinate.**

 

**8.** 45- (-63) =

**9.** .95 x 6.8=

**10.** Using the number line, place the following points in the appropriate position on the line.



A = $1\frac{1}{4}$, B = -$3\frac{2}{4}$, C = - $\frac{3}{4}$, D = $3\frac{3}{4}$, E = $\frac{3}{4}$

**11.** (-71)(-4) =

**12.** 51 ÷ -3

**13.** Mr. Smith’s car averages 23.75 miles per gallon of gasoline. Express this amount as a mixed number.

**14.** List the temperatures in order from hottest to coldest.

 **12, -**47, -03, 05, 13, -28

**15.** The Siberian tiger can grow up to $10\frac{4}{5}$ feet. Express this length as a decimal.

**16.** Write .29 as a percent

**17.** Write .31 as a fraction

**18.** Write $\frac{17}{25}$ as a decimal

19. Last week, the cost of a tank of gas increased by $1.64. Express this increase as a fraction in simplest form.