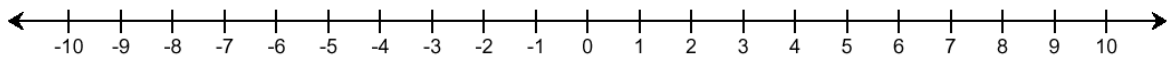


NAME: \_\_\_\_\_ Score \_\_\_\_\_/10

Please **print** your name**SHOW ALL YOUR WORK IN A NEAT AND ORGANIZED FASHION**

- (1 pt.) The set of \_\_\_\_\_ Numbers consists of all the counting numbers.
- (1 pt.) Which elements of the set  $\left\{-8, \frac{5}{7}, \sqrt{5}, 12, \pi, \frac{-3}{8}\right\}$  are rational numbers. Circle your answers.
- (1 pt.) Use set builder notation to describe the interval  $[4, 6)$ .
- (1 pt.) The opposite of a real number is the number which is \_\_\_\_\_  
from zero but on the \_\_\_\_\_ side of zero.
- Write the opposite of the reciprocal of  $\frac{-5}{7}$ .
- (1 pt.) T      F      Every integer is a rational number.
- (1 pt.) T      F       $Z \subset Q$
- (1 pt.) Illustrate  $2 + \left(-\frac{5}{2}\right)$  on the number line provided.



- (2 pt.) Calculate the area of a triangle whose height is 7 and whose base is 5. I want to see the formula you plan to use and I want an exact answer. Not an approximation. No decimals. No mixed numbers.