

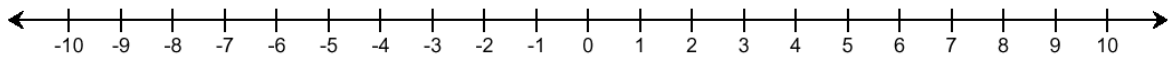
NAME: \_\_\_\_\_ Score \_\_\_\_\_/10

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

1. (1 pt.) The set of \_\_\_\_\_ Numbers consists of all the counting numbers.

2. (1 pt.) Which elements of the set  $\left\{3, -5, \sqrt{13}, \frac{4}{3}, 0\right\}$  are whole numbers.3. (1 pt.) Use set builder notation to describe the interval  $[-3, 5)$ .

4. (1 pt.) T      F      Every integer is a rational number.

5. (1 pt.) T      F       $\mathbb{R} \subset \mathbb{F}$ 6. (1 pt.) T      F       $\mathbb{Z} \subset \mathbb{Q}$ 7. (1 pt.) Simplify as much as possible  $\frac{(3 - \sqrt{9}) - (5 - 8)}{-3}$ 8. (1 pt.) Sketch the graph of the interval  $(-2, 4]$ 

9. (2 pt.) Calculate the area of a triangle whose height is 5 and whose base is 3. I want to see the formula you plan to use and I want an exact answer. Not an approximation. No decimals. No mixed numbers.