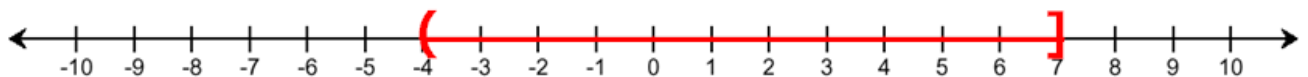


NAME: _____ Score _____/10

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

1. (1 pt.) An equation is a mathematical statement which contains an **equal** symbol.
2. (1 pt.) Two equations are equivalent if they have the **same solution set**.
3. (1 pt.) If the speed of a blue car is represented by $2x - 5$, how far does the car travel in 3 hours?
 $d = rt = (2x - 5)(3) = 6x - 15$
4. (1 pt.) T **F** Every positive number is a rational number.
5. (1 pt.) T **F** Some rational numbers are irrational numbers.
6. (1 pt.) T **F** $Q \subset N$
7. (1 pt.) A **linear equation** in one variable is an equation that can be written in the form $ax + b = 0$ where a and b are real numbers with a not zero.
8. (1 pt.) Sketch the graph of the interval $(-4, 7]$



9. (1 pt.) Use the formula $F = \frac{9}{5}C + 32$ to convert 50°C to degrees fahrenheit.

$$F = \frac{9}{5}(50) + 32 = (9)(10) + 32 = 90 + 32 = 122^\circ$$

10. (1 pt.) Write the formula for area of the triangle at the right.

$$A = \frac{1}{2}bh$$

