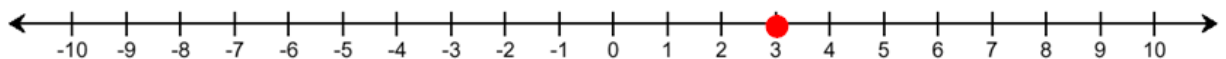


NAME: \_\_\_\_\_ Score \_\_\_\_\_/10

Please **print** your name

1. (1 pt.) An **equation** is a mathematical statement which contains an = symbol.
2. (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.
3. (1 pt.) Two equations are **equivalent** if they have the same solution sets.
4. (1 pt.) T **F** If both sides of an equation are multiplied by the same expression, the resulting equation is equivalent to the original equation..
5. (1 pt.) T **F** Two equations can be equal.
6. (2 pt.) **Process to solve a linear equation:** The process to solve a linear equation in one variable is to generate a sequence of equations each **equivalent** to the previous equation until a **simplest** equation is obtained.
7. (1 pt.) Sketch the graph of the equation  $5x = 15$



8. (2 pt.) Calculate the area of a circle whose radius is 5 and whose center is at (3, -1). I want to see the **formula** you plan to use and I want an **exact answer**. Not an approximation. No decimals. No mixed numbers.

$$A = \pi r^2 \quad A = \pi 5^2 = 25\pi$$