**Name each property being used.**

1. 

2. If x = 2 and x = y, then y = 2.

3. If x = 3 and 2x + 7 = 4y, then 2(3) + 7 = 4y.

4. If , then 

5. Which of the following is an example of the Reflexive Property of Equality?



6. Fill in the missing information in the proof below.

****

 **Statements Justifications**

 1. AB + BC = AC 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. Substitution

 3. 5x + 1 = 36 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. Subtraction Property of Equality

 5. x = \_\_\_\_\_\_ 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_