**Name each property being used.**

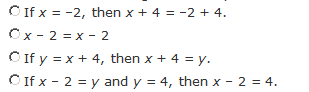
1. 

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. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_