**Write which property is being used in each problem. (There is a word bank on the back)**

1 . If , then

2. If AB = DF and CE = DF, then AB = CE

3. m∠2 = m∠2

4. 17. LK + KP = LP

5. If ∠2 ∠3, and ∠3 ∠4, then ∠2 ∠4

6.

7. If ∠1 ∠3 , then m∠1 = m∠3

8.If BC = DE, then

9 .If BD = 10, then BD + 2 = 12

10. If AB=CD and AB+BC=AD then CD+BC=AD

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| ***PROPERTIES OF EQUALITY*** |
| Addition Property of Equality |
| Subtraction Property of Equality |
| Multiplication Property of Equality |
| Division Property of Equality |
| Substitution Property of Equality |
| Distributive Property of Equality |
| Reflexive Property of Equality |
| Transitive Property of Equality |
| Symmetric Property of Equality |
|  |
| ***PROPERTIES OF CONGRUENCE*** |
| Definition of Congruence |
| Reflexive Property of Congruence |
| Symmetric Property of Congruence |
| Transitive Property of Congruence |
|  |
| ***SEGMENT AND ANGLE PROPERTIES*** |
| Segment Addition Postulate |
| Angle Addition Postulate |
| Definition of a Midpoint |
| Definition of an Angle Bisector |
| Definition of Complementary Angles |
| Definition of Supplementary Angles |
| Linear Pair Postulate |
| Right Angle Congruence Theorem |
| Congruent Supplements Theorem |
| Congruent Complements Theorem |
| Vertical Angles Theorem |