

## Using other Properties

1. Given:  $AB = CD$   
 Prove:  $AB + EF = CD + EF$

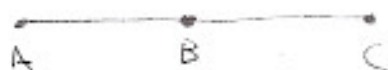
2. Given:  $\overline{AB} \cong \overline{CD}$   
 Prove:  $AB + EF = CD + EF$

3. Given:  $AB = CD$   
 $EF = GH$   
 Prove:  $AB + EF = CD + GH$

4. Given:  $\overline{AB} \cong \overline{CD}$   
 $\overline{EF} \cong \overline{GH}$   
 Prove:  $AB + EF = CD + GH$

5. Given:  $AB = CD$   
 $EF = GH$   
 Prove:  $AB - EF = CD - GH$

6. Given:  $AB = CD$   
 Prove:  $AB - EF = CD - EF$



7. Given:  $AB = 7$   
 $AB = BC$   
 Prove:  $AC = 14$

8. Given:  $AB + BC = 14$   
 $DE + EF = 14$   
 Prove:  $AB + BC = DE + EF$

9. Given:  $AB + BC = 14$   
 $DE + EF = 14$   
 Prove:  $\overline{AC} \cong \overline{DF}$