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: $\overline{AC} \cong \overline{DF}$