Getting Familiar with the Transitive Property and Symmetric Property of Equality

Draw on another piece of paper

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

2. Given: $AB = CD$
   $EF = CD$
   Prove: $AB = EF$

3. Given: $\overline{AB} \cong \overline{CD}$
   $\overline{CD} \cong \overline{EF}$
   Prove: $\overline{AB} \cong \overline{EF}$

4. Given: $AB = CD$
   $CD = EF$
   $EF = GH$
   Prove: $AB = GH$

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

6. Given: $\overline{AB} \cong \overline{CD}$
   $\overline{CD} \cong \overline{EF}$
   $\overline{EF} \cong \overline{GH}$
   Prove: $\overline{AB} \cong \overline{GH}$

7. Given: $\overline{AB} \cong \overline{CD}$
   $\overline{EF} \cong \overline{CD}$
   $\overline{EF} \cong \overline{GH}$
   Prove: $\overline{AB} \cong \overline{GH}$