

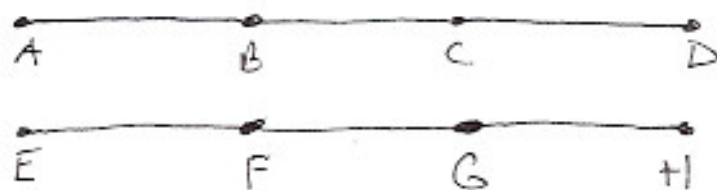
Name _____

Due Date _____

Block _____

Intro to Proofs # 2.3

Prove on a separate piece of paper.



Given:

$$\textcircled{1} \overline{AB} \cong \overline{EF}$$

$$\overline{EF} \cong \overline{BC}$$

~~②~~ Prove: B is midpoint of \overline{AC}

$$\textcircled{2} \text{ Given: } AB = EF$$

$$\text{B is midpoint of } \overline{AC}$$

$$\text{F is midpoint of } \overline{EG}$$

$$\text{Prove: } BC = FG$$

$$\textcircled{3} \text{ Given: } \overline{AC} \cong \overline{EG}$$

$$\overline{CD} \cong \overline{GH}$$

$$\text{Prove: } \overline{AD} \cong \overline{EH}$$

$$\textcircled{4} \text{ Given: } \overline{EF} \cong \overline{BC}$$

$$\overline{AB} \cong \overline{FG}$$

$$\text{Prove: } \overline{AC} \cong \overline{EG}$$

$$\textcircled{5} \text{ Given: B is midpoint of } \overline{AC}$$

$$\text{C is midpoint of } \overline{BD}$$

$$\text{F is midpoint of } \overline{EG}$$

$$\text{G is midpoint of } \overline{FH}$$

$$\text{Prove: } \overline{AB} \cong \overline{GH}$$