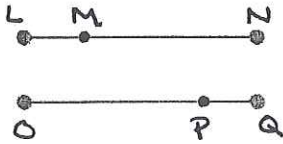


Geometry Chapter 2 Practice Test – Proofs

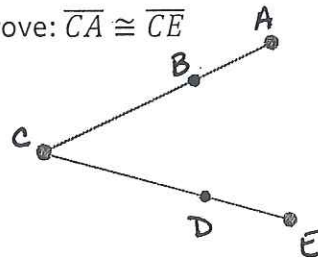
Name: \_\_\_\_\_

- 1) Given:  $\overline{LM} \cong \overline{QP}$   
 $\overline{LN} \cong \overline{QO}$

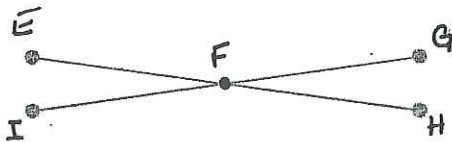
Prove:  $\overline{MN} \cong \overline{PO}$



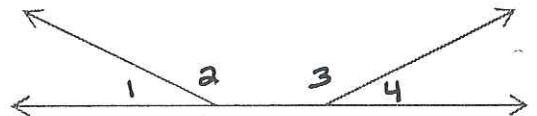
- 2) Given:  $\overline{CB} \cong \overline{CD}$  and  $\overline{BA} \cong \overline{DE}$   
 Prove:  $\overline{CA} \cong \overline{CE}$



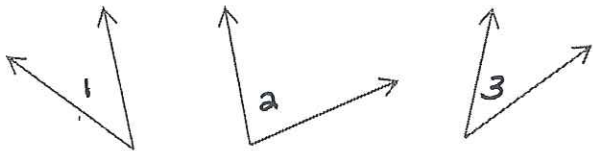
- 3) Given: F is the midpoint of  $\overline{EH}$   
 F is the midpoint of  $\overline{IG}$   
 $\overline{EF} \cong \overline{FG}$   
 Prove:  $\overline{IF} \cong \overline{HF}$



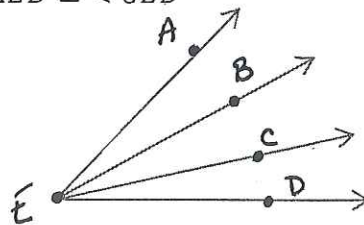
- 4) Given:  $\angle 1$  and  $\angle 2$  form a linear pair  
 $\angle 3$  and  $\angle 4$  form a linear pair  
 $\angle 1 \cong \angle 4$   
 Prove:  $\angle 2 \cong \angle 3$



- 5) Given:  $\angle 1$  and  $\angle 2$  are complementary  
 $\angle 2$  and  $\angle 3$  are complementary  
 Prove:  $\angle 1 \cong \angle 3$



- 6) Given:  $\overrightarrow{EB}$  bisects  $\angle AEC$   
 $\overrightarrow{EC}$  bisects  $\angle BED$   
 Prove:  $\angle AEB \cong \angle CED$



- 7) Given:  $\angle VWY \cong \angle XWZ$   
 Prove:  $\angle VWZ \cong \angle XWY$

