

Name:



## PROOFS MUST BE DONE ON PROOF PAPER.

5. Given:  $\odot O$  $\triangle COD$  is isosceles Prove:



D

- 6. Given:  $\overline{AD}$  &  $\overline{CD}$  are legs of isosceles  $\triangle ACD$ *B* is the midpoint of  $\overline{AC}$  $\triangle ADB \cong \triangle CDB$ Prove:
- Given: 7.  $\overline{JF} \cong \overline{JG}$ *F* and *G* trisect  $\overline{EH}$  $\angle EFJ \cong \angle HGJ$ 
  - $\triangle EHJ$  is isosceles Prove:
- 8. Given:  $\overline{KR} \cong \overline{PR}$  $\angle KRM \cong \angle PRO$  $\overline{RM} \cong \overline{RO}$ Prove:
- A C B G M 0 Κ E D
- 9. Given:  $\angle 3 \cong \angle 6$  $\angle 3$  is comp. to  $\angle 4$  $\angle 6$  is comp. to  $\angle 5$  $\triangle EBC$  is isosceles Prove:
- 10. Given:  $\angle 5 \cong \angle 6$  $\overline{IG}$  is the altitude to  $\overline{FH}$  $\triangle$ *FJH* is isosceles Prove:



В

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