

Name:

Date:

Period:

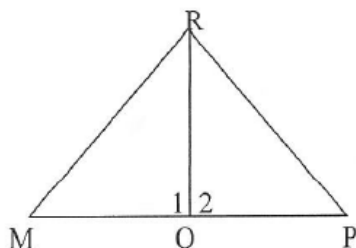
HW #5-11: Test Review Worksheet (part 2)

Complete the proofs on a separate sheet of paper.

Correct the proofs with the answers on the classroom website!

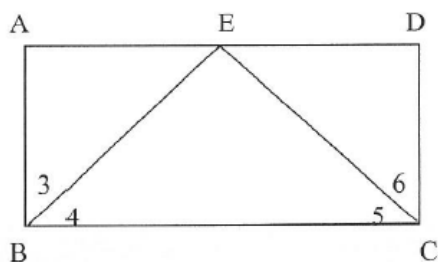
1. **Given:** $\overline{RO}$ is the $\perp$ bisector of $\overline{MP}$

Prove: $\triangle MRO \cong \triangle PRO$



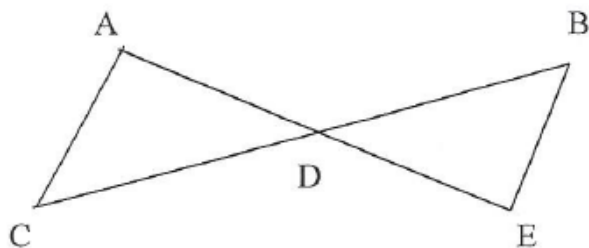
2. **Given:** $\angle 3 \cong \angle 6$, $\angle 3$ comp $\angle 4$, $\angle 5$ comp $\angle 6$

Prove: $\triangle EBC$ is isosceles



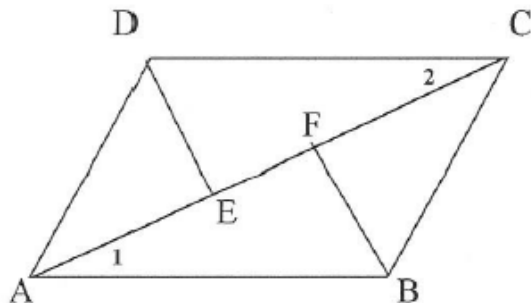
3. **Given:** $\overline{CD} \cong \overline{BD}$ and $\overline{AC} \parallel \overline{EB}$

Prove: $\triangle ACD \cong \triangle EBD$



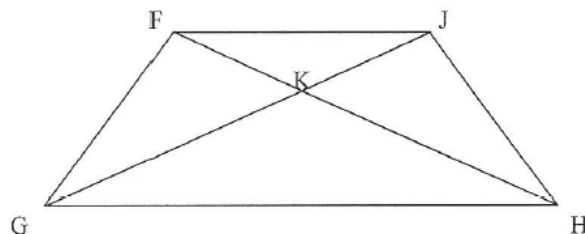
4. **Given:** $\overline{AE} \cong \overline{FC}$, $\overline{FB} \cong \overline{DE}$ and $\overline{DE} \parallel \overline{FB}$

Prove: $\angle 1 \cong \angle 2$



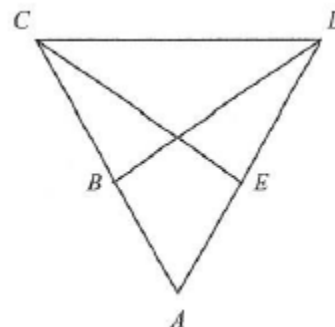
5. **Given:** $\overline{FG} \cong \overline{JH}$ and $\angle KFG \cong \angle KJH$

Prove: $\triangle FKJ$ is isosceles



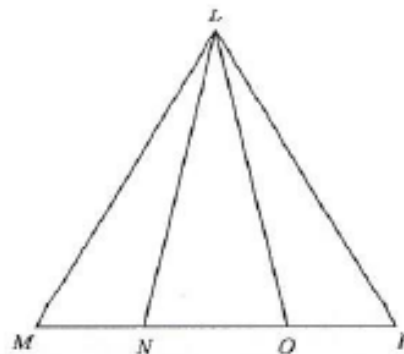
6. **Given:** $\overline{BD} \perp \overline{CB}$, $\overline{CE} \perp \overline{ED}$ and $\overline{CB} \cong \overline{DE}$

Prove: $\triangle BCD \cong \triangle EDC$



7. **Given:** $\angle MLN \cong \angle PLO$, $\angle MNL \cong \angle POL$ and $\overline{MO} \cong \overline{NP}$

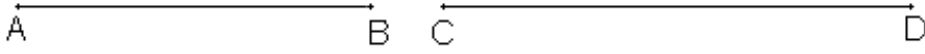
Prove: $\triangle MLP$ is isosceles



8. Write a coordinate proof.

Prove that the segment joining the two midpoints of two sides of a triangle is parallel to the third side.

You may complete these constructions on this page.



9. Construct an isosceles triangle using CD as the legs and AB as the base.

10. Construct an equilateral triangle with side length CD.