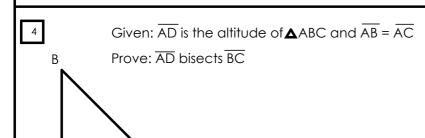


Given: C midpoint of \overline{BD}

 $\overline{AB} \perp \overline{BD}; \ \overline{ED} \perp \overline{BD}$

Prove: $\sphericalangle A \cong
\sphericalangle E$



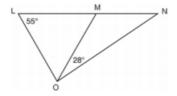
5

In the diagram below of isosceles $\triangle ABC$, the measure of vertex angle B is 80°. If \overline{AC} extends to point D, what is m $\angle BCD$?



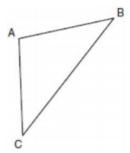
In $\triangle JKL$, $\overline{JL} \cong \overline{KL}$. If $m \angle J = 58$, then $m \angle L$ is

In the diagram below, $\triangle LMO$ is isosceles with LO = MO.



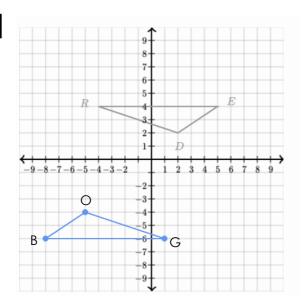
If $m\angle L = 55$ and $m\angle NOM = 28$, what is $m\angle N$?

In the diagram of $\triangle ABC$ below, $\overline{AB} \cong \overline{AC}$. The measure of $\angle B$ is 40°.



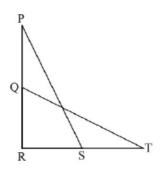
What is the measure of $\angle A$?

9



Using the properties of rigid motions, prove \triangle BOG \cong \triangle EDR

10



Given: $\sphericalangle P \cong \sphericalangle T$

 $\overline{PR} \cong \overline{RT}$

Prove: $\overline{PQ} \cong \overline{TS}$

Describe a sequence rigid motion that maps**△**PRT onto **△**TRQ