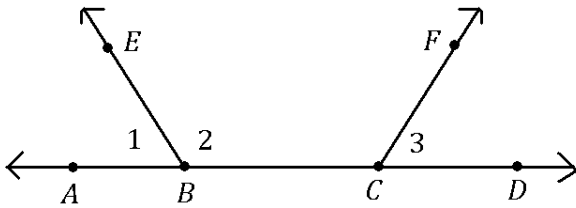


1

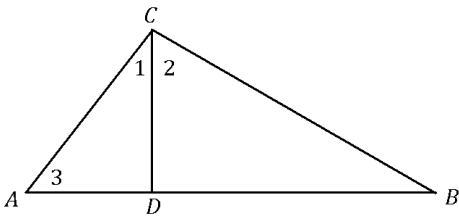


Given: $\angle 3$ and $\angle 2$ are supp \angle s
Prove: $\angle 1 \cong \angle 3$

1. $\angle 3$ and $\angle 2$ are supp \angle s
2. $m\angle 1 + m\angle 2 = 180$
3. $\angle 1$ and $\angle 2$ are supp \angle s
4. $\angle 1 \cong \angle 3$

1. _____
2. _____
3. _____
4. _____

2

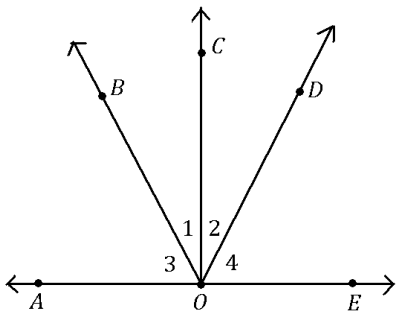


Given: $\overline{AC} \perp \overline{BC}$;
 $\angle 1$ and $\angle 3$ are comp \angle s
Prove: $\angle 2 \cong \angle 3$

1. $\overline{AC} \perp \overline{BC}$
2. $\angle 1$ and $\angle 2$ are comp \angle s
3. $\angle 1$ and $\angle 3$ are comp \angle s
4. $\angle 2 \cong \angle 3$

1. _____
2. _____
3. _____
4. _____

3



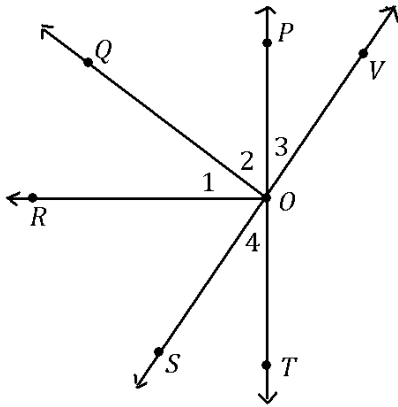
Given: $m\angle 1 = m\angle 2;$
 $m\angle 3 = m\angle 4$

Prove: $\overrightarrow{OC} \perp \overrightarrow{AE}$

1. $m\angle 1 = m\angle 2;$
 $m\angle 3 = m\angle 4$
2. $m\angle 1 + m\angle 3 = m\angle 2 + m\angle 4$
3. $m\angle 1 + m\angle 3 = m\angle AOC;$
 $m\angle 2 + m\angle 4 = m\angle COE$
4. $m\angle AOC = m\angle COE$
5. $\overrightarrow{OC} \perp \overrightarrow{AE}$

1. _____
2. _____
3. _____
4. _____
5. _____

4



Given: $\overline{OQ} \perp \overline{SV}$;
 $\overline{OR} \perp \overline{PT}$

Prove: $\sphericalangle 1 \cong \sphericalangle 3$

1. $\overline{OQ} \perp \overline{SV}$;
 $\overline{OR} \perp \overline{PT}$
2. $m\angle QOV = 90$;
 $m\angle ROP = 90$
3. $m\angle QOV = m\angle 2 + m\angle 3$;
 $m\angle ROP = m\angle 1 + m\angle 2$
4. $90 = m\angle 2 + m\angle 3$;
 $90 = m\angle 1 + m\angle 2$
5. $\sphericalangle 2$ and $\sphericalangle 3$ are comp \sphericalangle s ;
 $\sphericalangle 1$ and $\sphericalangle 2$ are comp \sphericalangle s
6. $\sphericalangle 1 \cong \sphericalangle 3$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____