

1. Given: $\overline{FL} \cong \overline{AT}$
Prove: $\overline{FA} \cong \overline{LT}$



STATEMENTS

REASONS

1. _____

1. Given

2. $\overline{LA} \cong \overline{LA}$

2. _____

3. _____

3. Addition Prop of Equal.

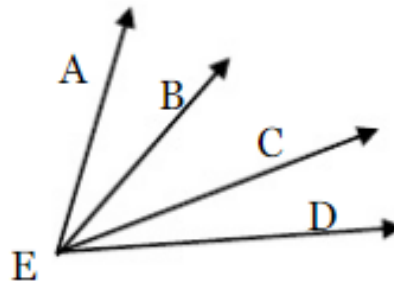
4. _____

4. Segment Addition Property

5. $\overline{FA} \cong \overline{LT}$

5. _____

2. Given: $\angle AEB \cong \angle CED$
Prove: $\angle AEC \cong \angle BED$



STATEMENTS

REASONS

1. _____

1. Given

2. $\angle BEC \cong \angle BEC$

2. _____

3. _____

3. Addition Prop of Equal.

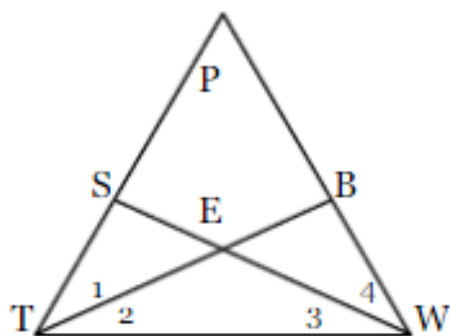
4. _____

4. Angle Addition Property

5. $\angle AEC \cong \angle BED$

5. _____

3. Given: $\angle 1 \cong \angle 4$
 $\angle 2 \cong \angle 3$
 Prove: $\angle PTW \cong \angle PWT$



STATEMENTS

REASONS

1. $\angle 1 \cong \angle 4$;
 $\angle 2 \cong \angle 3$

1. _____

2. _____

2. Addition Prop of Equal.

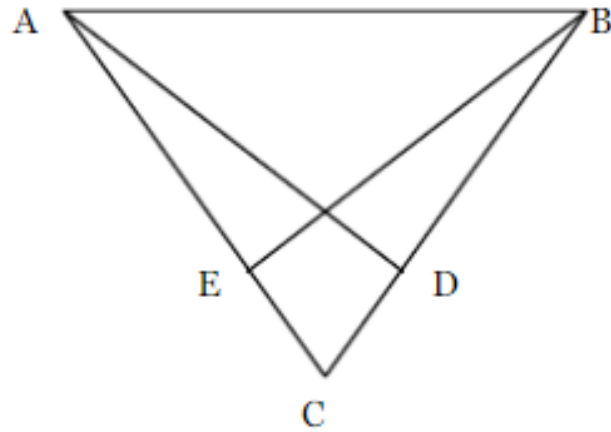
3. $\angle PTW \cong \angle 1 + \angle 2$;
 $\angle PWT \cong \angle 3 + \angle 4$

3. _____

4. _____

4. Substitution

4. Given: $\overline{AE} \cong \overline{BD}$
 $\overline{EC} \cong \overline{DC}$
 Prove: $\overline{AC} \cong \overline{BC}$



STATEMENTS

REASONS

2. $\overline{AE} \cong \overline{BD}$;
 $\overline{EC} \cong \overline{DC}$

1. _____

2. _____

2. Addition Prop of Equal.

3. $\overline{AC} \cong \overline{AE} + \overline{EC}$;
 $\overline{BC} \cong \overline{BD} + \overline{DC}$

3. _____

4. _____

4. Substitution