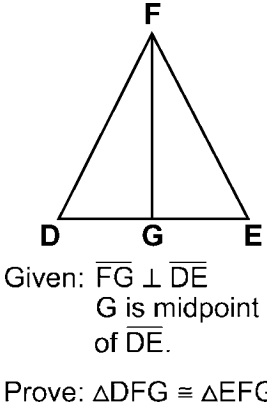
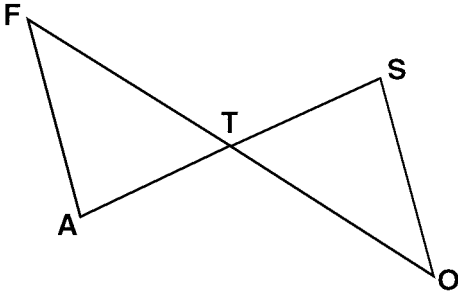


13) Supply the missing reason(s) for the given proof.



| STATEMENTS | REASONS |
|---|---------|
| (1) $\overline{FG} \perp \overline{DE}$ G is midpoint of \overline{DE} . | (1) |
| (2) $\overline{DG} \cong \overline{GE}$ | (2) |
| (3) $\angle DGF$ and $\angle EGF$ are right angles. | (3) |
| (4) $\angle DGF \cong \angle EGF$ | (4) |
| (5) $\overline{FG} \cong \overline{FG}$ | (5) |
| (6) $\triangle DFG \cong \triangle EFG$ | (6) |

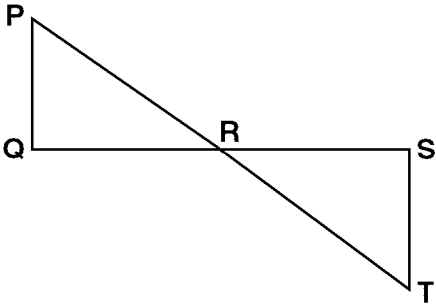
14)



Given: \overline{FO} bisects \overline{AS}
 $\angle A \cong \angle S$

Prove: $\triangle FAT \cong \triangle OST$

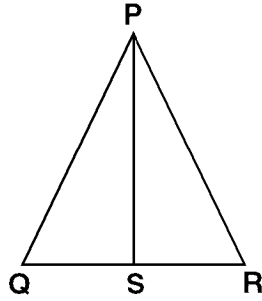
15)



Given: $\overline{PQ} \perp \overline{QS}$
 $\overline{TS} \perp \overline{QS}$
 R is the midpoint of \overline{QS}

Prove: $\angle P \cong \angle T$

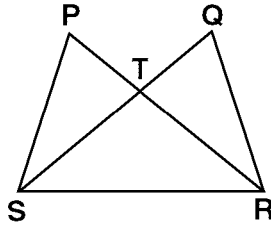
16)



Given: $\overline{PS} \perp \overline{QR}$
 \overline{PS} bisects $\angle QPR$

Prove: $\angle Q \cong \angle R$

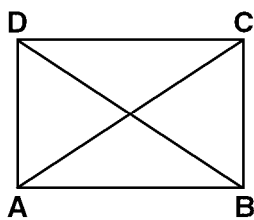
17)



Given: $\overline{TS} \cong \overline{TR}$
 $\angle P \cong \angle Q$

Prove: $\overline{PS} \cong \overline{QR}$

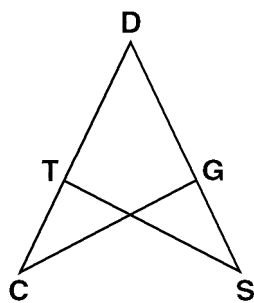
18)



Given: $\overline{DA} \cong \overline{CB}$
 $\overline{DA} \perp \overline{AB}$
 $\overline{CB} \perp \overline{AB}$

Prove: $\overline{BD} \cong \overline{AC}$

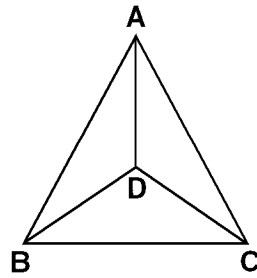
19)



Given: $\overline{DTC} \cong \overline{DGS}$
 $\angle C \cong \angle S$

Prove: $\overline{ST} \cong \overline{CG}$

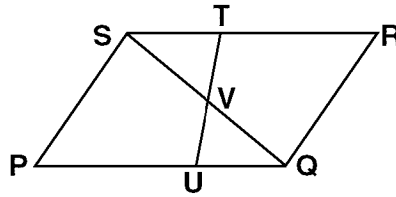
20)



Given: $\overline{AB} \cong \overline{AC}$
 $\overline{BD} \cong \overline{DC}$

Prove: \overline{AD} bisects $\angle BAC$

21)



Given: $\overline{PS} \cong \overline{QR}$
 $\overline{SR} \cong \overline{PQ}$
 \overline{TU} bisects \overline{SQ}

Prove: V is the midpoint of \overline{TU}

- 1) A
- 2) A
- 3) C
- 4) A
- 5) B
- 6) A
- 7) A
- 8) C
- 9) B
- 10) D
- 11) B
- 12) C
- 13) Answers vary.
- 14) Answer is a ASA proof.
- 15) Answer is an ASA proof.
- 16) Answer is an ASA proof.
- 17) Answer is an AAS proof.
- 18) Answer is a proof.
- 19) Answer is a proof.
- 20) Answer is a SSS proof.
- 21) Answer is a proof.