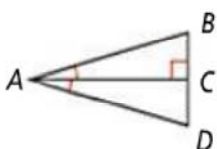
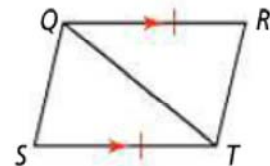


Homework p. 238-240:11-14, 20 #11 and #12 paragraph proof

11. Given: $\angle BAC \cong \angle DAC$,
 $\overline{AC} \perp \overline{BD}$
Prove: $\triangle ABC \cong \triangle ADC$

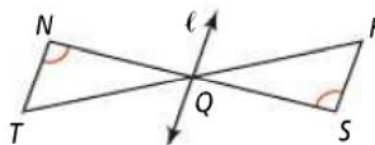


12. Given: $\overline{QR} \cong \overline{TS}$,
 $\overline{QR} \parallel \overline{TS}$
Prove: $\triangle QRT \cong \triangle TSQ$



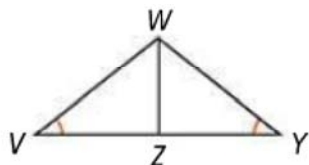
13. Developing Proof Complete the two-column proof by filling in the blanks.

Given: $\angle N \cong \angle S$,
 line ℓ bisects \overline{TR} at Q
Prove: $\triangle NQT \cong \triangle SQR$



Statements	Reasons
1) $\angle N \cong \angle S$	1) Given
2) $\angle NQT \cong \angle SQR$	2) a. ?
3) Line ℓ bisects \overline{TR} at Q .	3) b. ?
4) c. ?	4) Definition of bisect
5) $\triangle NQT \cong \triangle SQR$	5) d. ?

14. Given: $\angle V \cong \angle Y$,
 \overline{WZ} bisects $\angle VWY$
Prove: $\triangle VWZ \cong \triangle YWZ$



20. Given: $\angle FJG \cong \angle HGJ$, $\overline{FG} \parallel \overline{JH}$
Prove: $\triangle FGJ \cong \triangle HJG$

