Tell whether the statement is *always*, *sometimes*, or *never* true.

1. A square is __?__ a rectangle.
2. A rectangle is __?__ a rhombus.
3. A rhombus is __?__ a square.
4. A rhombus is __?__ a parallelogram.
5. A trapezoid __?__ has three congruent sides.
6. The diagonals of a trapezoid __?__ bisect each other.
7. The sides of a triangle are __?__ 13 cm, 19 cm, and 33 cm long.
8. In $\square ABCD$, if $m\angle A > m\angle B$, then $\angle D$ is __?__ an acute angle.

**Trapezoid $ABCD$ has median $\overline{MN}$.**

9. If $DC = 17$ and $MN = 12$, then $AB = $ __?__.
10. If $FC = 9$, then $EN = $ __?__.
11. If $AB = 5j + 7k$ and $DC = 9j - 3k$, then $MN = $ __?__.
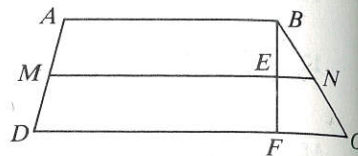
12. If the sides of a triangle have lengths x, 8, and 12, then __?__ $< x <$ __?__.
13. To write an indirect proof of "If $RS = 10$, then quad. $RSTU$ is a parallelogram," you begin by writing: "Assume temporarily that __?__."

State the theorem that enables you to deduce, from the information given, that quad. $ABCD$ is a parallelogram.
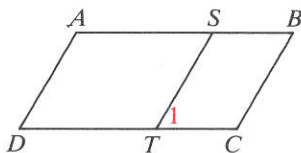
14. $\angle ADC \cong \angle CBA$ and $\angle BAD \cong \angle DCB$
15. $\overline{AD} \parallel \overline{BC}$ and $\overline{AD} \cong \overline{BC}$
16. $AT = CT$ and $DT = \frac{1}{2}DB$
17. $\overline{AB}$, $\overline{BC}$, $\overline{CD}$, and $\overline{DA}$ are all congruent.
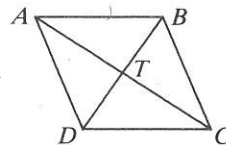
18. If $VE > VU$, then $m\angle$ __?__ $> m\angle$ __?__.
19. If $m\angle EOU > m\angle EUO$, then __?__ $>$ __?__.
20. If $\overline{VE} \cong \overline{VO}$ and $m\angle UVE > m\angle UVO$, then __?__ $>$ __?__.
21. If $m\angle EVU = 60$, $\overline{OE} \cong \overline{OU}$, and $m\angle VOE > m\angle VOU$, then the largest angle of $\triangle UVE$ is $\angle$ __?__.
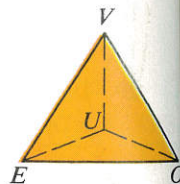
22. Given: $\square ABCD$; $\angle D \cong \angle 1$
    Prove: Quad. $ASTD$ is a parallelogram.

23. Given: $\overline{EM}$ is a median of $\triangle EFG$; $m\angle 2 > m\angle 3$
    Prove: $m\angle G > m\angle F$