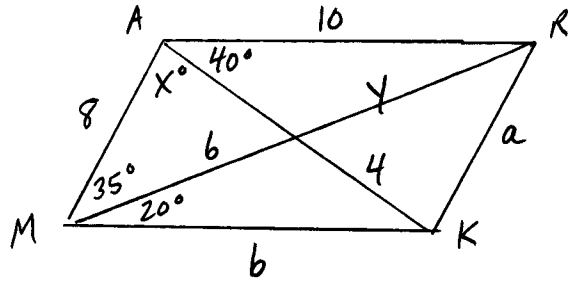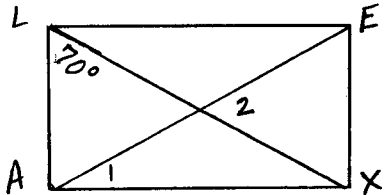# REVIEW PROBLEMS
(Chapter 6+)

ALWAYS, SOMETIMES, NEVER?

1. A rectangle is ___ a square.
2. A square is ___ a rhombus.
3. A rhombus is ___ a parallelogram.
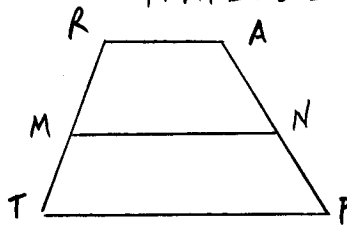4. A trapezoid is ___ a kite.

5. GIVEN ▱MARK, FIND a, b, x, y:

6. ▱ALEX IS A RECTANGLE; FIND $m\angle 1$ AND $m\angle 2$.

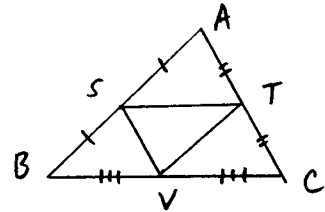$\overline{MN}$ IS THE MIDSEGMENT OF TRAPEZOID TRAP:

	RA	MN	TP
7.	10		20
8.	8	12	

9. GIVEN $A(-6,4)$, $B(2,2)$, $C(4,-6)$ AND $D(-12,-2)$, USE THE DISTANCE FORMULA TO FIND THE LENGTH OF THE MIDSEGMENT.

10. IN $\triangle ABC$, $VS = 10$ AND $BC = 30$. FIND AC AND ST:

★ ANSWERS ★

1) Sometimes

2) always

3) always

4) never

5) $a = 8$
   $b = 10$
   $x = 85$
   $y = 6$

6) $m\angle 1 = 20°$
   $m\angle 2 = 40°$

7) $MN = 15$

8) $TP = 16$

9) $\sqrt{153} = 3\sqrt{17} \approx 12.4$

10) $AC = 20$
    $ST = 15$