Ch. 5 pg. 329 # 3-6, 12 pg. 345 # 2-4, 6, 10-13

Pg. 329

3) SAS, Δs congruent. CPCTC $AB = AC$

$5z + 16 = 8z - 5$

$21 = 3z$

$z = 7$

$AC = 51$

4.) $(-1, -3)$ $(7, 1)$

$\frac{-3-1}{-1-7} = \frac{-4}{-8} = \frac{1}{2}$

$\perp m = -2$

$y + 3 = -2(x + 1)$ or $y = -2x + 5$

5.) $PS = 83.9$, $XT = 46.7$

6.) $m\angle GJK = 49°$

distance = 21

12.) 78 m $2(39) =$ base

Pg. 345

2.) $\angle L$, $\angle K$, $\angle M$

3.) $\overline{EF}$, $\overline{DE}$, $\overline{DF}$

4.) No $(8.3 + 10.5 \not> 18.8)$

6.) $7 < x < 25$

10.) 10.30 $5^2 + 9^2 = c^2$

11.) b32 $11^2 = 9^2 + x^2$

12.) obtuse $10^2 + 12^2 = 16^2$

$244 < 256$

13.) 94.33 ft.

or

1132 inches $50^2 + 80^2 = x^2$

Ch 6. pg 413 #24-26, 422 #11-13 pg 439 27, 31-32, 50-52, 66-67

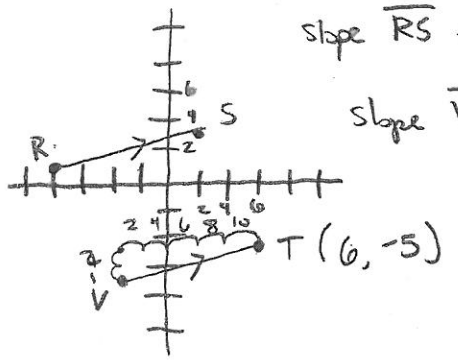
pg 413

24) A 25) S 26) S

pg 422

11) ▱, rect 12) ▱ 13) ▱, rect, rhombus, square

pg 439

27) 

slope $\overline{RS} = \frac{2}{10}$

slope $\overline{VT} = \frac{2}{10}$

T (6, -5)

31) Yes, the diags. bisect each other

32) No, none of the 6 conditions are met

50) NOT VALID. YOU MUST KNOW, FIRST THAT EFRS IS A ▱.

51) VALID

52) VALID

66) TRAPEZOID.

67) ISOSC. TRAPEZOID