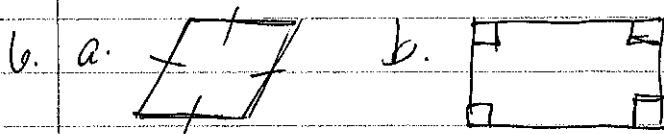


p. 237 #1-3, 6-12, 19

1. a - true b - true c - true d - true e - false

2. a - false b - false c - false d - false e - true

3. a - false b - false c - false d - false e - false
f - true



7. a. $\overline{ST} + \overline{RV}$

b. $\overline{SV} + \overline{RT}$

c. $\overline{RS} + \overline{VT}$

d. $\angle SPV + \angle TVP$

e. $\angle PST + \angle VTS$

f. $\angle STR \cong \angle VRT$, $\angle SVR \cong \angle RVS$

8. a. Always

b. Sometimes

c. Sometimes

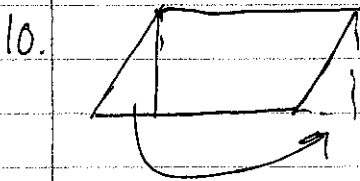
d. Always

e. Always

f. Never

g. Never

9. No segments



If you cut off the Δ on the left and place it on the right, the shape becomes a rectangle.

11. a. Quadrilateral - 360°
b. Pentagon - 540°

12. $4s = 65 \text{ ft}$
 $s = 16.2 \text{ ft}$

$$A = 16.2 \text{ ft} \times 16.2 \approx 264 \text{ ft}^2$$

19. $A_{\text{Trapezoid}} = \frac{1}{2}(6)(8) + 9(8) + \frac{1}{2}(4)(8)$
 $= 24 + 72 + 16 = 112 \text{ sq. units}$