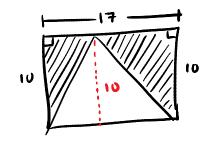
Sec 11.2 pgs. 520 - 522 #13 - 16, 18 - 20, 21ac, 22c, 23, 25, 26, 32

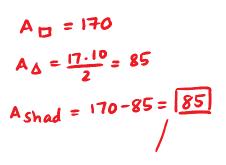
#13 A triangle has the same area as a 6 x 8 rectangle. 148 The base of the triangle is 8. Find the altitude

$$A = \frac{bh}{2}$$
$$48 = \frac{8 \cdot h}{2}$$
$$96 = 8h$$
$$h = 12$$

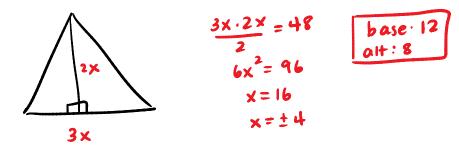
#14
$$\frac{16 \cdot 10}{2} = \frac{80 \text{ mm}^2}{2} \leftarrow au \Delta$$
's have same area

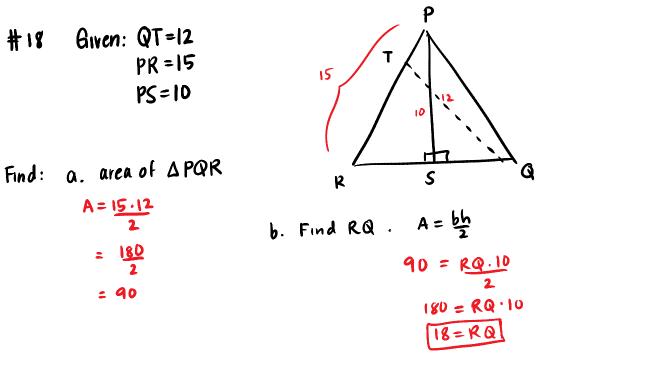
#15 Find area of the shaded region





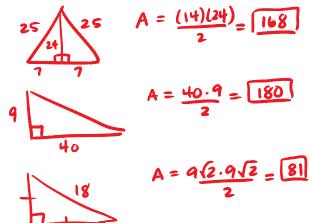
#16 In a triangle, a base and its altitude are in a ratio of 3:2. The triangles area is 48. Find the base and the altitude





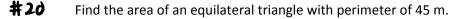


a. Find the area of a triangle whose sides are 25, 25, and 14.



- b. Find the area of a right triangle whose legs are 9 and 40.
- c. Find the area of an isosceles triangle with hypotenuse 18

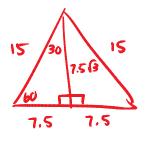
 $x\sqrt{2} = 18$ $x = 9\sqrt{2}$

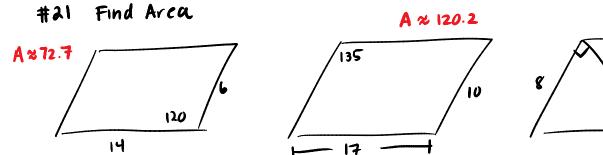


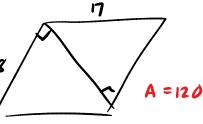
$$A = 15 \cdot 7.5 \sqrt{3}$$

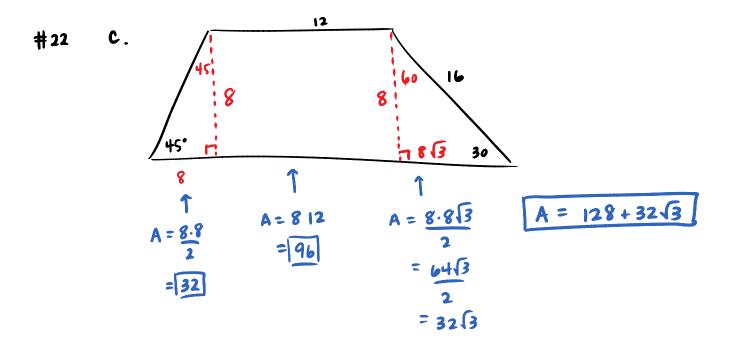
$$= 112.5 \sqrt{3} = 225 \sqrt{3}$$

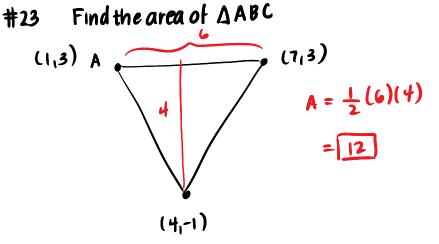
$$= 4$$

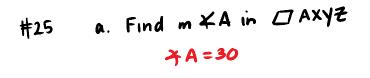


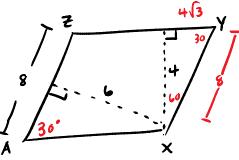


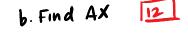


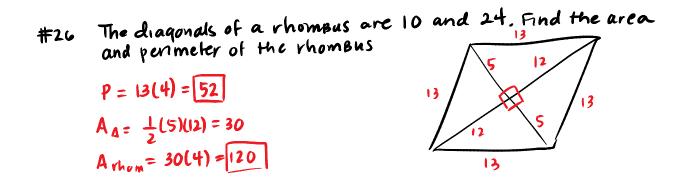


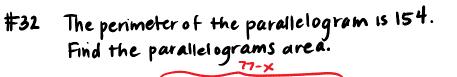


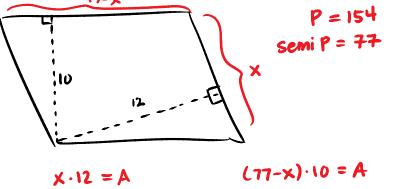












12x = 10(77 - x)	
12x = 770 - 10x	
22x = 770	
x=35	

A=bh
= 35/12
= [420]