

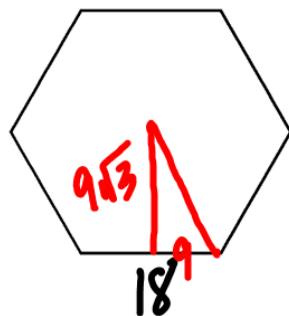
$$SA = hp + 2B$$

$$SA = 25(108) + 2(841.77)$$

$$SA = 2700 + 1683.72$$

$$SA = 4383.72$$

$$\text{Round } SA = 4383.55 \text{ cm}^2$$



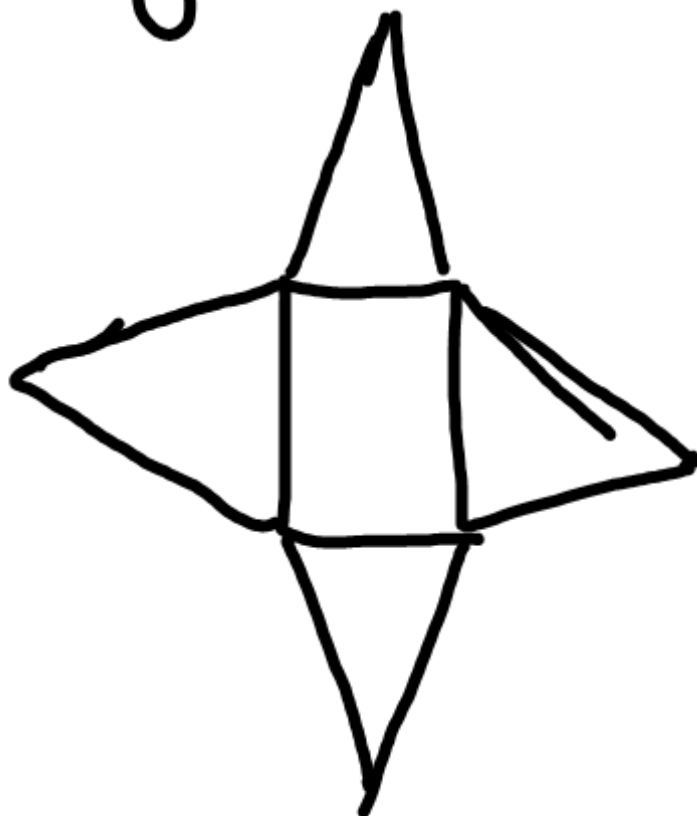
$$\text{Area} = \frac{1}{2} a p$$

$$= \frac{1}{2} (9\sqrt{3})(108)$$

$$= \frac{1}{2} (15.588)(108)$$

$$B = 841.77$$

1.3 Pyramids



Net

Surface Area

$$SA = L + B$$

lateral
area
 Δ 's

area
of
base

Area of Δ

$$A = \frac{1}{2}bh$$

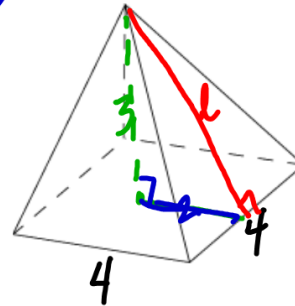
$$SA = \frac{1}{2}lp + B$$

$$l^2 = 3^2 + 2^2$$

$$l^2 = 9 + 4$$

$$\sqrt{l^2} = \sqrt{13}$$

$$l = 3.6$$



Square Pyramid
height of pyramid = 3

$$SA = \frac{1}{2}lp + B$$

$$SA = \frac{1}{2}(3.6)(16) + 16$$

$$SA = 44.8 \text{ units}^2$$

p449.

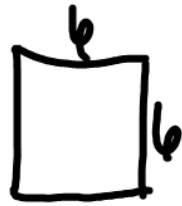
Regular Pyramid

15.

$s = 6$

length of each side

$l = 7$



$n = 4$

sides square

$$SA = \frac{1}{2} lp + B$$

$$SA = \frac{1}{2} (7)(24) + 36$$

$$SA = 120 \text{ units}^2$$

Hexagonal Pyramid Regular

$$n = 6$$

$$s = 8$$

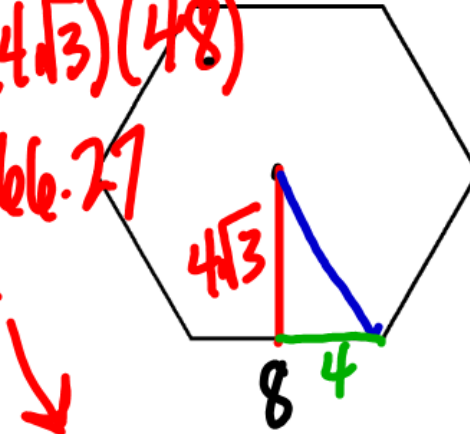
$$l = 5$$

Area of hexagon

$$A = \frac{1}{2}(4\sqrt{3})(48)$$

$$A = 166.27$$

or B_2

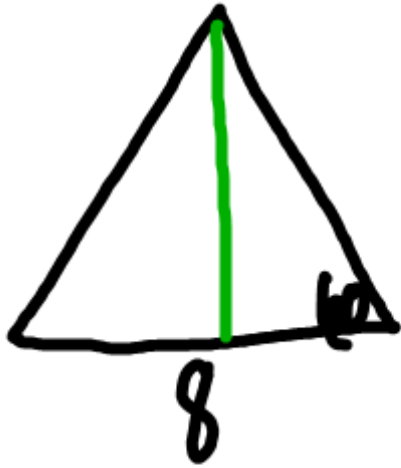


$$SA = \frac{1}{2}(5)(48) + 166.27$$

$$SA = 286.27 \text{ units}^2$$

p 449 14, 16

14



$$\Delta B = \frac{1}{2}bh$$