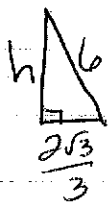
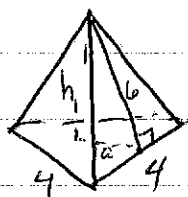


7) P. 485 # 716

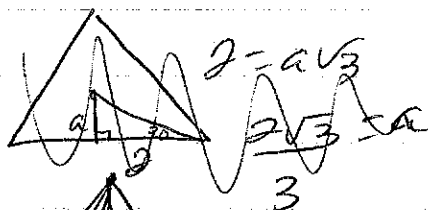


$$LA = \frac{1}{2} p l$$

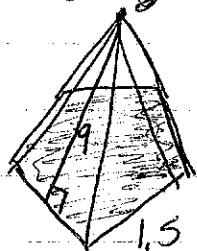
$$V = \frac{1}{3} B h$$

$$LA = \frac{1}{2} (12) (6)$$

$$= 36 u^2$$



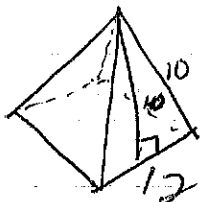
8)



$$LA = \frac{1}{2} (6) (1.5) (9)$$

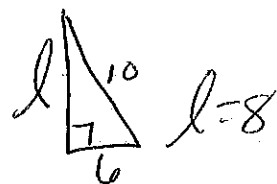
$$= 33.75 u^2$$

9)

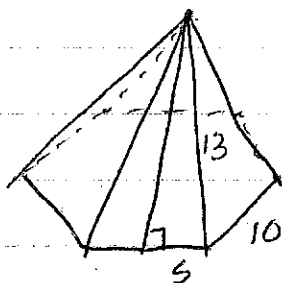


$$LA = \frac{1}{2} (4) (12) (8)$$

$$= 192 u^2$$

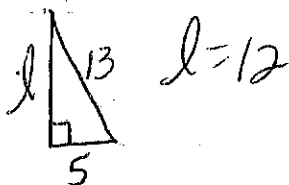


10)

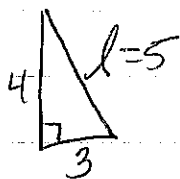
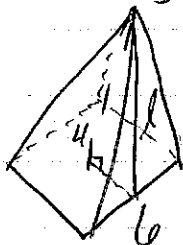


$$LA = \frac{1}{2} (10) (6) (12)$$

$$= 360 u^2$$



11)



$$LA = \frac{1}{2} (6) (4) (5)$$

$$= 60 u^2$$

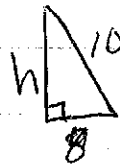
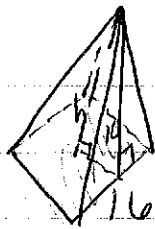
$$TA = 60 + (6)^2$$

$$= 96 u^2$$

$$V = \frac{1}{3} (36) (4)$$

$$= 48 u^3$$

12)



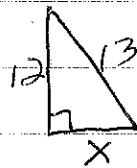
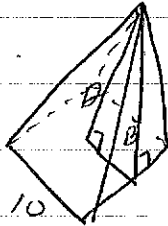
$$h=6$$

$$LA = \frac{1}{2}(16)(4)(10) \\ = 320u^2$$

$$TA = 320 + 16^2 \\ = 576u^2$$

$$V = \frac{1}{3}(16)^2(6) \\ = 512u^3$$

13)



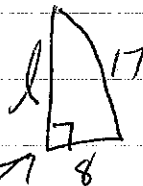
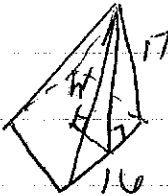
$$x=5, s=10$$

$$LA = \frac{1}{2}(4)(10)(13) \\ = 260u^2$$

$$TA = 260 + 10^2 \\ = 360u^2$$

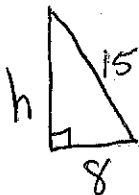
$$V = \frac{1}{3}(100)(12) \\ = 400u^3$$

14)



$$LA = \frac{1}{2}(4)(16)(15) \\ = 480u^2$$

$$TA = 480 + 16^2 \\ = 736u^2$$



$$h^2 + 8^2 = 17^2$$

$$h^2 + 64 = 289$$

$$h^2 = 161$$

$$h \approx 12.69$$

$$l^2 + 8^2 = 17^2$$

$$l^2 = 225$$

$$l = 15$$

$$V = \frac{1}{3}(16)^2(12.69) \\ = 1082.88u^3$$

$$\text{or } \frac{256\sqrt{161}}{3} u^3$$

p. 485

$$\begin{aligned} 15) \quad V &= \frac{1}{3} B h \\ 32 &= \frac{1}{3} (16) h \\ 96 &= 16 h \\ 6 \text{ cm} &= h \end{aligned}$$

$$\begin{aligned} 16) \quad LA &= \frac{1}{2} p l \\ 60 &= \frac{1}{2} (8) (3) l \\ 60 &= 12 l \\ 5 \text{ m} &= l \end{aligned}$$