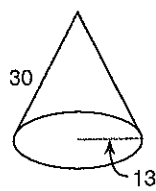
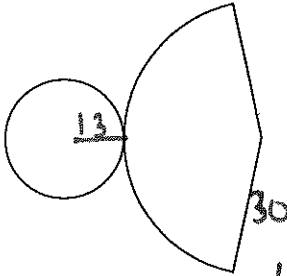


11.3 Notes

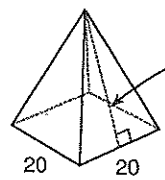
Surface Area of Pyramids and Cones

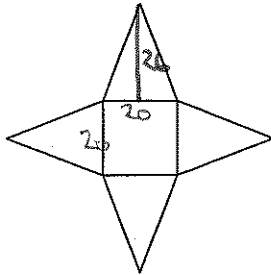
Copy the measurements given onto the net of each solid.

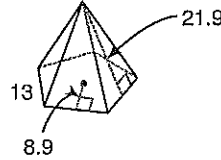
1)  $TSA = \pi r L + \pi r^2$
 $= \pi(13)30 + \pi(13)^2$
 $= 390\pi + 169\pi$
 $= 559\pi \text{ units}^2$

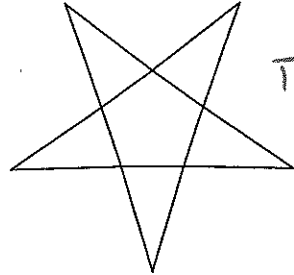
 $LA = \pi r L$
 $= \pi(13)(30)$
 $= 390\pi \text{ units}^2$

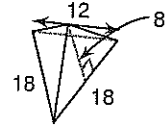
$L = \text{slant height}$

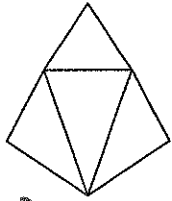
2)  $LA = \frac{1}{2} PL$
 $= \frac{1}{2}(80)(26)$
 $= 1040 \text{ units}^2$

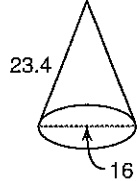
 $TSA = \frac{1}{2} PL + B$
 $= 1040 + 20(20)$
 $= 1440 \text{ units}^2$

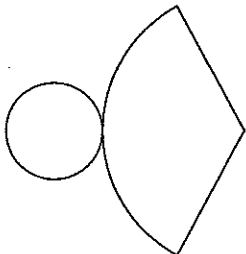
3)  $LA = \frac{1}{2} PL$
 $= \frac{1}{2}(65)(21.9)$
 $= 711.75 \text{ units}$

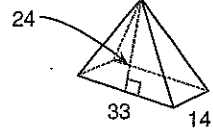
 $TSA = 711.75 + B$
 $= 711.75 + \frac{1}{2} a P$
 $= 711.75 + \frac{1}{2}(8.9)(65)$
 $= 1001 \text{ units}$

4)  $LA = \frac{1}{2} PL$
 $= \frac{1}{2}(48)(18)$
 $= 432 \text{ units}$



5)  $TSA = \pi r L + \pi r^2$
 $= \pi(16)23.4 + \pi(16)^2$
 $= 374.4\pi + 256\pi$
 $= 630.4\pi \text{ units}^2$



6)  $LA = \frac{1}{2} PL$
 $= \frac{1}{2}(56)(24)$
 $= 672 \text{ units}$

