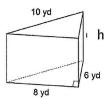
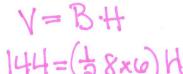
Putting it All Together! Day 1 HOMEWORK

Directions: If it is not indicated, round to the nearest tenth.

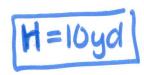
1. The volume of a triangular prism is 144 yd3. The prism has a right triangle base with legs of 8 meters and 6 meters. Find the height of the prism.





- 144=(= 8x6)H
- 2. The volume of the rectangular pyramid has a volume of about 266.67 yd3. The base of the pyramid is a rectangle that is 10 km by 8 km. Find the height of the pyramid.





3. The volume of a cylinder is 7875π cubic meters and the radius is 15 meters. Find the height the cylinder. V=B.H

$$787511 = 1115^2 \cdot H$$



4. The volume of a rectangular pyramid is 84 in³ and the area of the base is 12 in². Find the height of the pyramid.

5. The surface area of a cone is 250π km². The cone has a diameter of 20 km. Find the slant height of the cone.



6. Find the surface area and volume of the composite solid.

$$SA = \frac{(No c)rece}{cone} + \frac{c(one circle)}{cylinder}$$

 $SA = \pi r R + \pi r^2 + 2\pi r H$
 $SA = \pi 3.5 \times 9.7 + \pi 3.5^2 + 2\pi 3.5.13$

