Example: Find the volume of the cylinder with a radius of 4" and height 10".



- V = π r²H = π 4² (10) = 16π (10) = 160π cubic "
- 1. Draw and find the volume of a rectangular prism with base 10 ft by 6 ft and height 5 feet.
- 2. Draw and find the volume of a cylinder with radius 6cm and height 5 cm.
- 3. Draw and find the volume of a triangular prism with the base of the triangle 8 in. and the height of the triangle 6 in and the height (H) of the prism 10 in.
- 4. Draw and find the height (H) of a cylinder with volume 80π cu. In. and radius of 4 in.
- 5. Draw and find the volume of a sphere with radius 3 yd.
- 6. Find the radius of a sphere with radius 3 mm. and volume 36π cu mm.
- 7. Find the volume of the cylinder with height 20 cm. and diameter 6 cm.



8. Find the base of a triangular prism if the height (h) of the triangle is 4 cm, the height (H) of the triangular prism is 10 cm and the volume is 120 cu. cm.