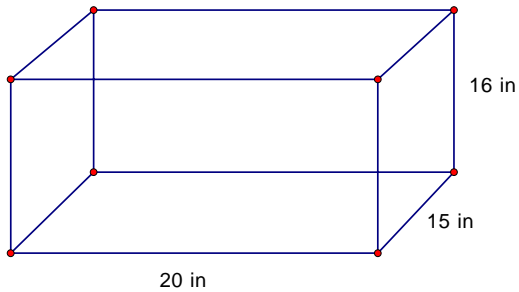


Math 116

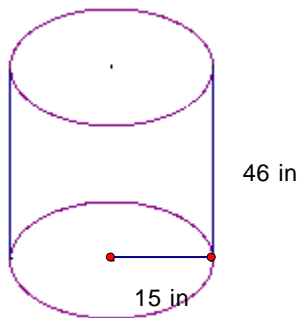
Volume and Egyptian Geometry

Show all work. Do not work problems on the handout

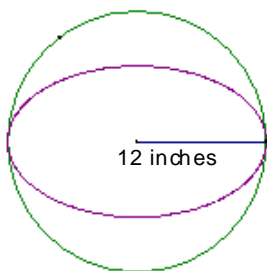
- 1) A rectangular fish tank is 20 inches by 15 inches by 16 inches. What is the volume of the fish tank?



- 2) A cylinder shaped hot water tank has a radius of 15 inches and a height of 46 inches. How much water can the hot water tank hold?



- 3) Find the volume and surface area of the figure below:



- 4) A rectangular shaped Egyptian lot is 40 cubits by 14 cubits. Find the area of the lot in square cubits and setats.
- 5) Find the area of a circle with a radius of 10 palms using the Egyptian approximation for Pi. ($\pi = \frac{256}{81}$)

Additional Exercises: page 181-182 #1,3,5,6,14,22,24