(1) Find the volume and surface area of each sphere below
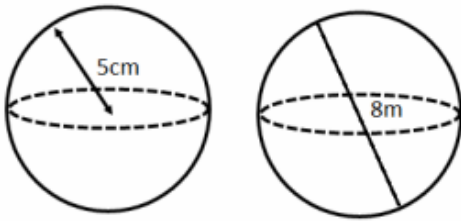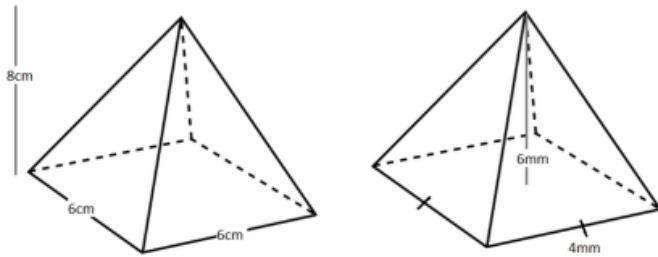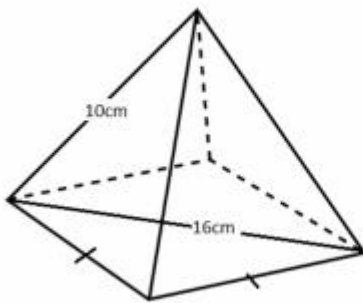

(2) Find the volume and surface area of each (a) HOLLOW hemisphere below and (b) SOLID hemisphere below.

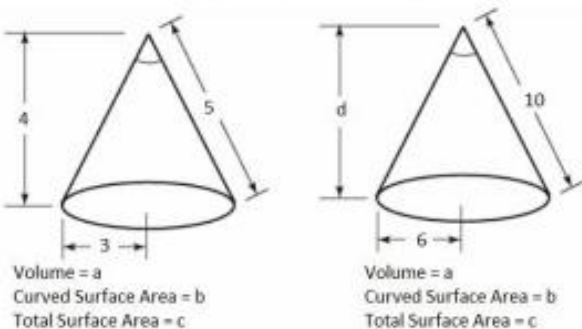**(1) Find the volume of each pyramid below**
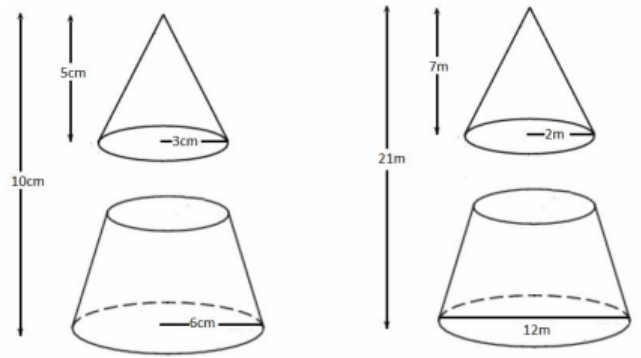

(3) Find the volume of each of the pyramids below.
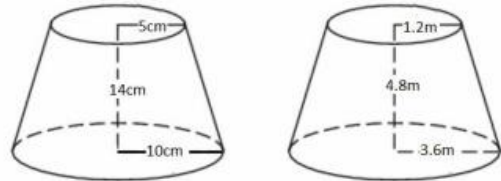

16cm is the diagonal length of the base

(1) Find the missing values in each right cone below.

Volume = a
Curved Surface Area = b
Total Surface Area = c

Volume = a
Curved Surface Area = b
Total Surface Area = c

(2) Find the volume of each frustum below.

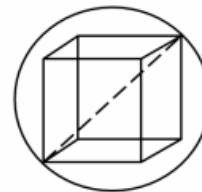**(3) Find the volume of each frustum below.**

(3) Fred is making solid plastic toys as shown below. The toy is made of a cone on top of a hemisphere. The diameter of the hemisphere is 10cm and the slant height of the cone is 13cm.
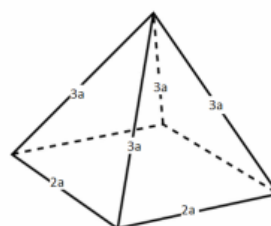

Find the volume and the surface area of the toy in terms of pi.

(5) The diagram below shows a sphere with volume 36pi. Find the maximum surface area of the cube drawn inside.

(7) 3 tennis balls are stacked in a tube such that they touch the end of the tube. The tube is a cylinder. Given the volume of the tube is 144pi cubic units, find the volume of each tennis ball.

(3) Find the volume of the pyramid below.

Give your answer in terms of a