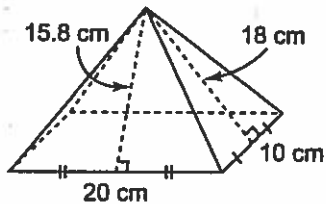
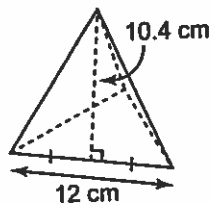


1. Calculate the surface area of each object, to the nearest square unit.

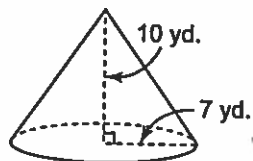
a) a rectangular pyramid



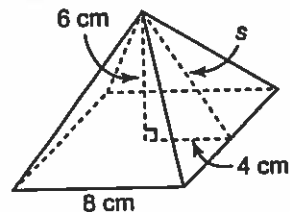
b) a tetrahedron



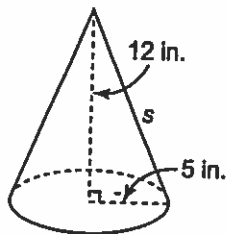
2. Calculate the slant height of this cone, to the nearest tenth of a unit.



3. A wooden square pyramid is to be painted. To nearest square cm, what is the area that will be painted?

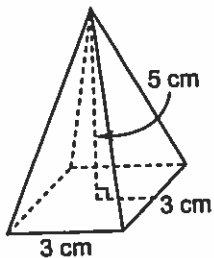


4. A cone shaped hat is to be made with a radius of 5 in. and height of 12 in. To the nearest square inch, how much material will be needed for the hat?

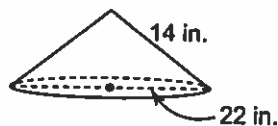


5. Calculate the volume of each object to the nearest cubic unit.

a) a square pyramid



b) a cone

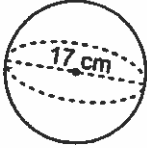


6. A rectangular pyramid can hold  $1250 \text{ ft}^3$  of water. What is the height of the pyramid?

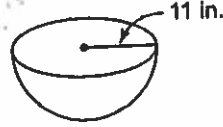


1. Calculate the surface area of each object to the nearest tenth of a square unit.

a) a sphere



b) a hemisphere



2. To the nearest cubic unit, calculate the volume of each object in question 1.

a) a sphere

b) a hemisphere

3. A ball has a surface area of  $28 \text{ in}^2$ . Determine the diameter of the ball to the nearest tenth of an inch.

4. A globe has a surface area of  $2735 \text{ cm}^2$ . Find the radius of the globe to the nearest tenth of a centimeter.