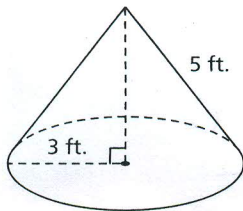


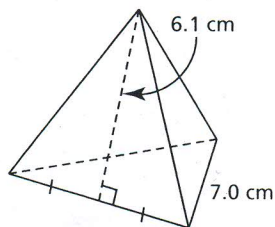
Precalculus 10 Chapter 1 Practice Test

- Which imperial unit is the most appropriate unit to measure each item? Justify your choice.
 - The length of your arm
 - The width of the classroom
 - The distance you ran in gym class
- Convert:
 - 14 yd. to feet
 - 5 mi. to yards
 - 6 ft. 3 in. to inches
 - 123 in. to yards, feet and inches
- Convert each measurement:
 - 261 cm to feet and the nearest inch
 - 125 m to yards, feet, and the nearest inch
 - 6 km to miles and the nearest yard
 - 350 mm to feet and the nearest inch
- Convert each measurement. Answer to the nearest tenth.
 - 13 yd. 2 ft. to metres
 - 4 mi. 350 yd. to kilometres
 - 1 ft. 7 in. to centimetres
 - $8\frac{1}{2}$ in. to millimetres
- Determine the surface area of each object to the nearest square unit.

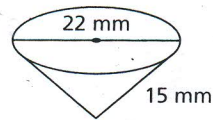
a) right cone



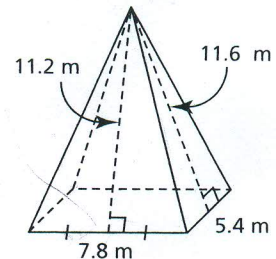
b) regular tetrahedron



c) right cone



d) right rectangular pyramid



- A right rectangular pyramid has base dimensions 7 yd. by 5 yd. and a height of 10 yd. Determine the surface area of the pyramid to the nearest square yard.
- Julie is constructing a tent in the shape of a right square pyramid. She uses four poles, each 2.1 m long, for the edges that form the triangle surfaces. The side length of the base of the tent is 1.5 m.
 - Sketch the diagram of the tent
 - What is the slant height of the tent to the nearest tenth of a metre?
 - What is the lateral surface area of the tent to the nearest square metre?
- An ice cream cone is to be coated with chocolate on the inside. The cone has an interior diameter of 7.5 cm and an interior height of 10 cm. What is the area to be coated? Write the answer to the nearest tenth of a square unit.

