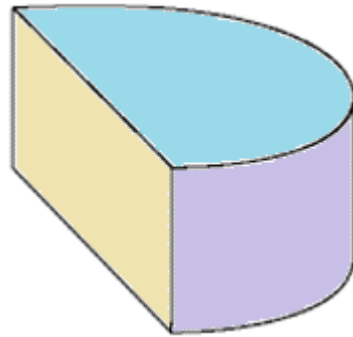


Name:

QUIZ – MATH GRADE 11

1. (30%) Given the following half of a perfectly cylindrical cake with radius 12 cm and height 8 cm:

a. (15%) Find its volume



b. (15%) Find its surface area

2. (35%) Given a square based pyramid with base length 8 cm and height 10 cm.

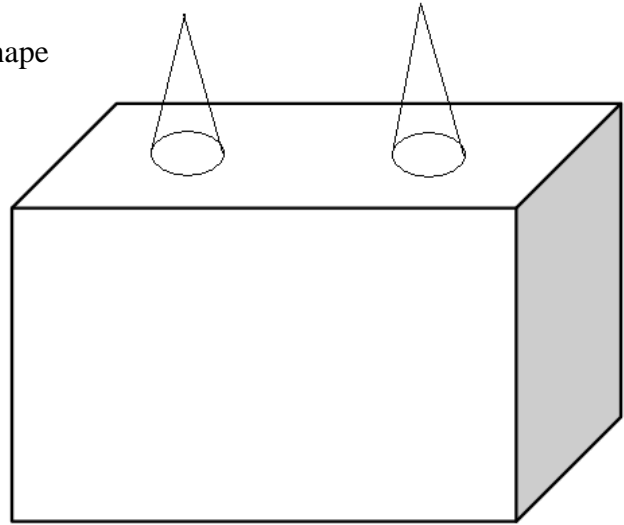
a. (10%) Sketch the pyramid

b. (10%) Find the volume of the pyramid

c. (15%) Find the surface area of the pyramid.

3. (35%) Given The following diagram in which 2 identical cones with diameter 4 cm and height 3 cm are located on top of a square based cuboid with side length 10 cm and 20 cm. (Diagram not to scale)

- a. (15%) Find the volume of the shape



- b. (20%) Find the surface area of the shape