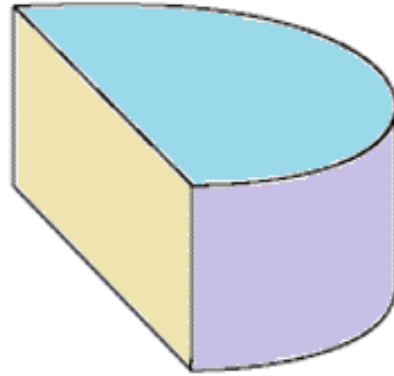Name:

QUIZ - MATH GRADE 10

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

    a. (15%) Find its volume

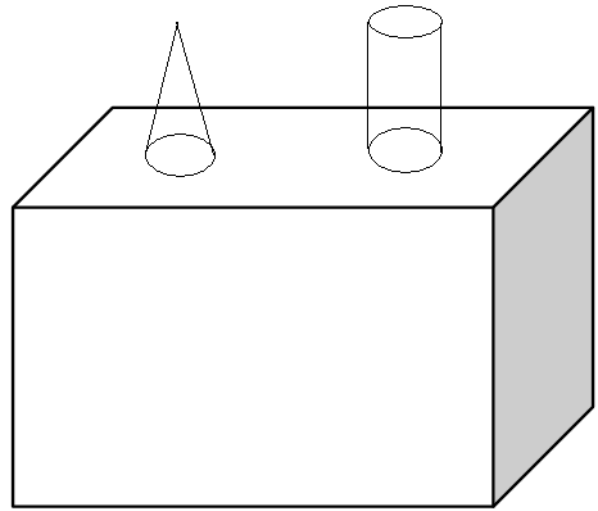   b. (15%) Find its surface area

2. (35%) Given a square based pyramid with base length 6 cm and height 4 cm.

    a. (15%) Find the volume of the pyramid

    b. (20%) Find the surface area of the pyramid.

3. (35%) Given The following diagram in which a cone and cylinder both with diameter 4 cm and height 3 cm are located on top of a cuboid with side lengths 8, 10 and 12 cm. (Diagram not to scale)

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

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