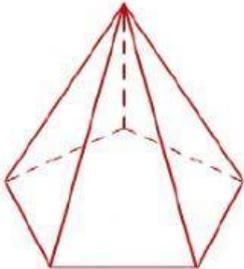# Reviewing Prisms & Pyramids

Grade 7 Mathematics

1. Identify the following shape and label the number of faces, edges and vertices.

Name of 3D Shape: _____
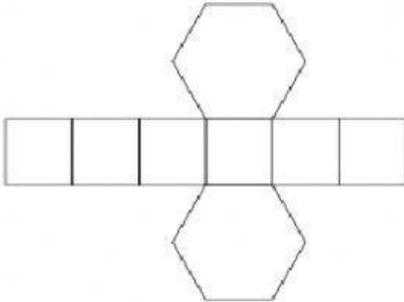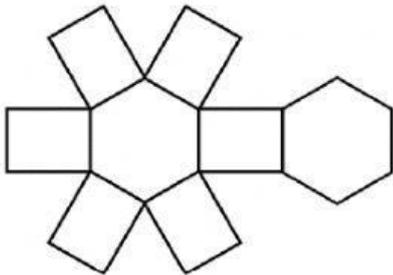
# of Faces: _____

# of Edges: _____

# of Vertices: _____

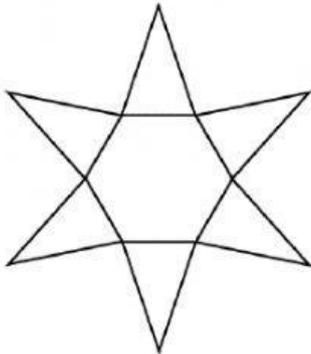2. Which of the following nets represent a hexagonal prism?
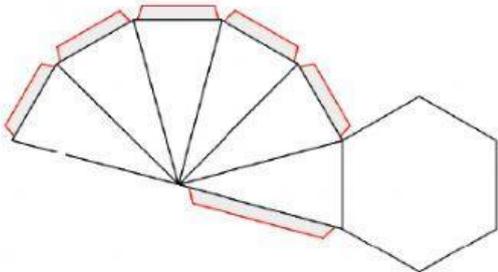
Option A: _____

Option B: _____

Option C: _____
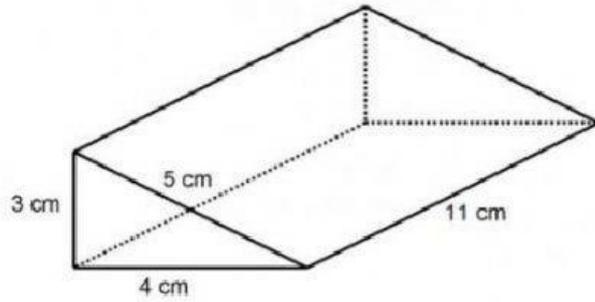
Option D: _____

3. A triangular prism has a base of 4cm, height of 3cm and prism height/length of 11cm.

    a. Calculate its volume.

       = _____ cm^3

    b. Calculate its surface area.

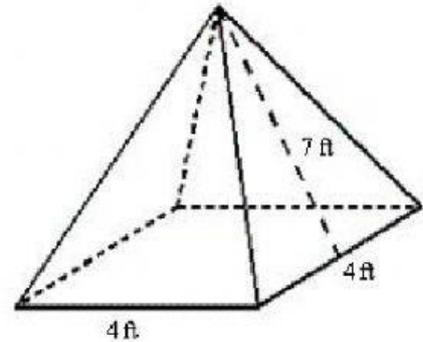   = _____ cm^2

5 cm

3 cm

11 cm

4 cm

4. ACME Camping Gear is designing a new tent.

    a) Name the shape: _____

    b) Calculate how much material is needed to cover the outside of this design. →

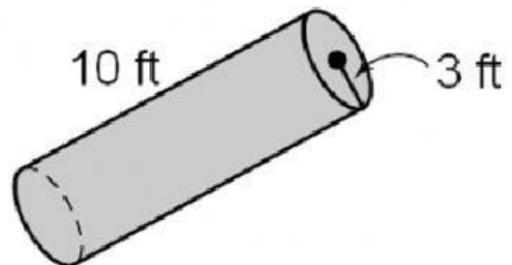   = _____ ft^2

7 ft

4 ft

4 ft

5. Hershey's has decided to sell a new chocolate bar in the following shape.

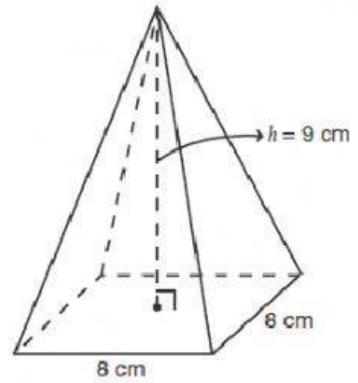   a) Name the following shape: _____

    b) Calculate how much chocolate they can fit inside the package

       = _____ ft^3

10 ft   3 ft

6. Find the volume of the following pyramid.

   Volume = _____ cm^3

   $h = 9$ cm

   8 cm

   8 cm

7. Calculate the volume AND surface area of the following figure.

   a) Volume: _____ cm^3

   b) Surface Area: _____ cm^2

   8 cm

   5cm

   4 cm

   5cm

   10 cm

   14 cm