Unit 9 Quiz 1 Review:

Name_____

1. Lateral area of a prism?

2. Surface area of a prism?

3. Lateral area of a cylinder?

4. Surface area of a cylinder?

5. Lateral area of a pyramid?

6. Surface area of pyramid?

7. Lateral area of a cone?

8. Surface area of a cone?
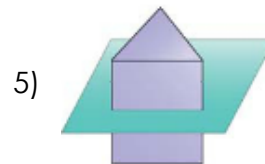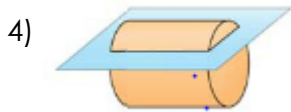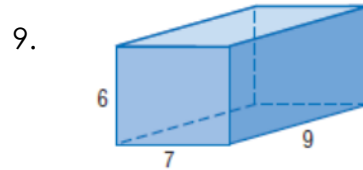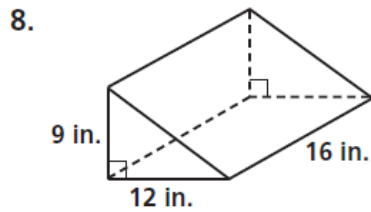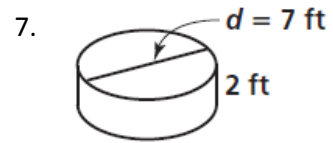
9. Area of a regular polygon?
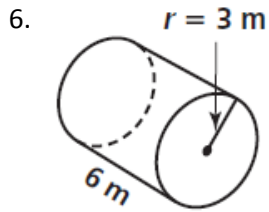
10. TWO formulas for area of a triangle

9.1
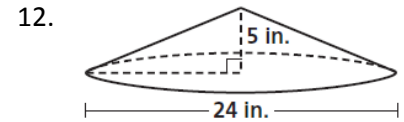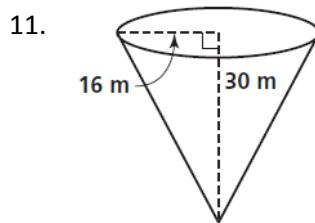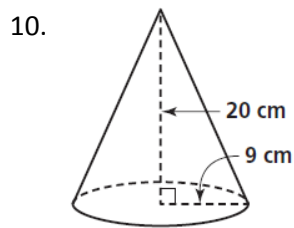
Draw a net for the following figures

1)

2)

3)
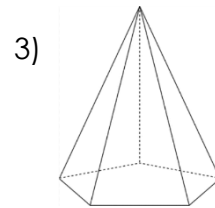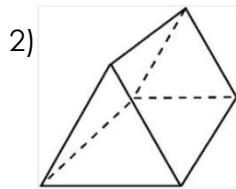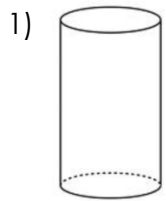
Draw the cross section (If you were to slice the figure with the plane, what shape do you get? It would have to be two-dimensional…)
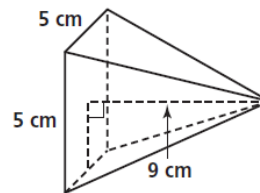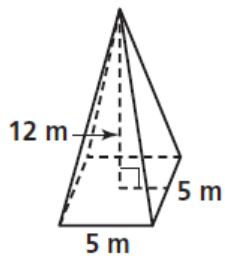
4)

5)

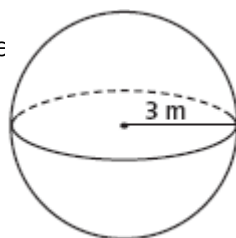**9.2** Find the surface area of the following prisms/cylinders

6. $r = 3$ m

6 m

7. $d = 7$ ft

2 ft

8.

9 in.   16 in.   12 in.

9.

6   7   9

9.3 Find the surface area of the following cones

10.

20 cm   9 cm

11.

16 m   30 m

12.

5 in.   24 in.

Find the surface area of the pyramids

12 m   5 m   5 m

5 cm   5 cm   9 cm

Find the surface area of this sphere

3 m

Find the surface area of a sphere with a circumference of 24.