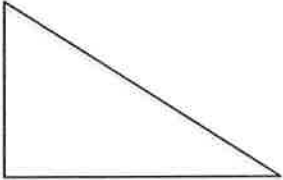
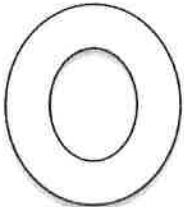
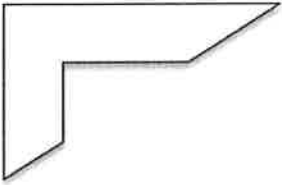
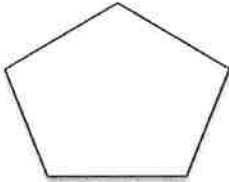
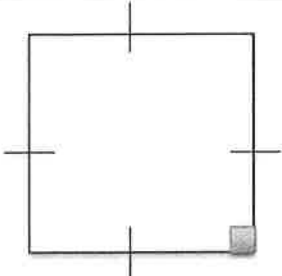
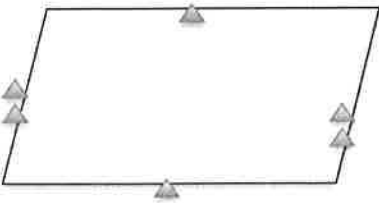


12.1 I can identify and name basic geometric shapes.

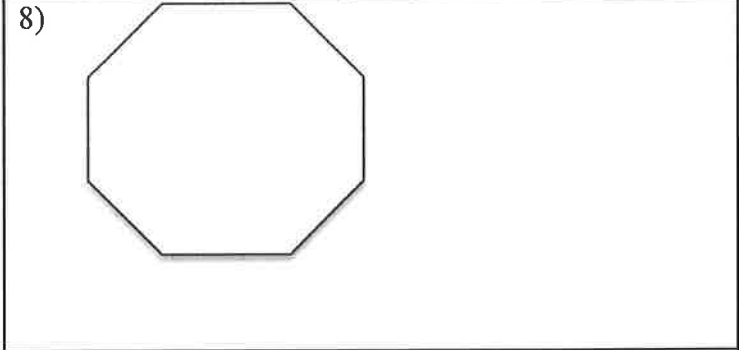
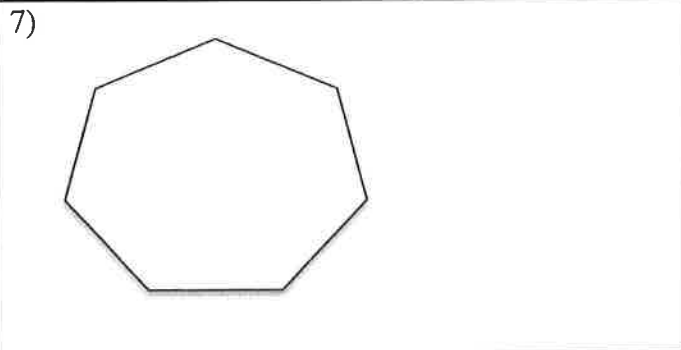
Determine if the shape is a polygon. If it is a polygon, classify the polygon and state whether the shape is convex or concave. If it is not a polygon, state why it is not.

<p>1)</p> 	<p>2)</p> 
<p>3)</p> 	<p>4)</p> 

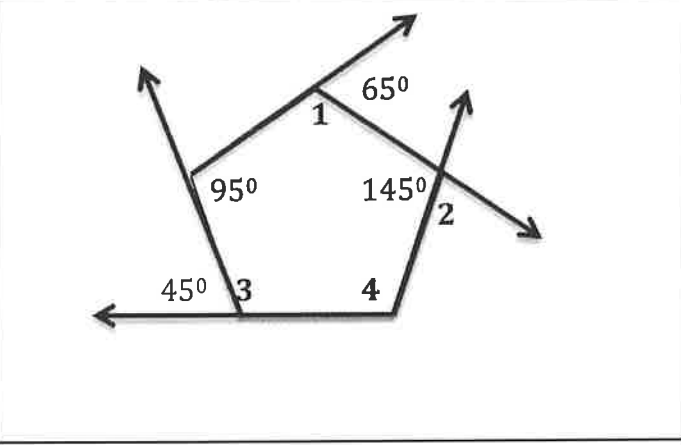
Classify each quadrilateral. Circle all names that apply.

<p>5)</p> 	<p>Polygon Parallelogram</p> <p>Quadrilateral Rhombus</p> <p>Trapezoid Rectangle</p> <p>Square</p>
<p>6)</p> 	<p>Polygon Parallelogram</p> <p>Quadrilateral Rhombus</p> <p>Trapezoid Rectangle</p> <p>Square</p>

12.1 I can use the interior angle sum theorem to calculate the degrees in a polygon.



Find the missing measures. *FIGURE NOT DRAWN TO SCALE*

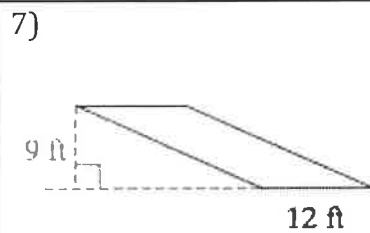
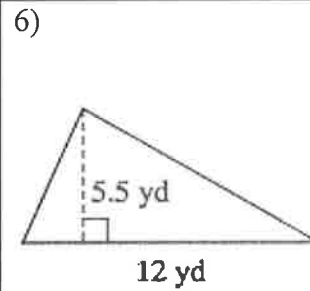
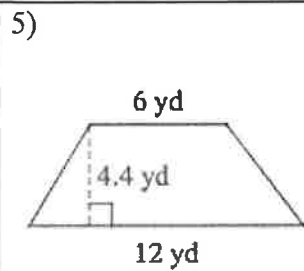
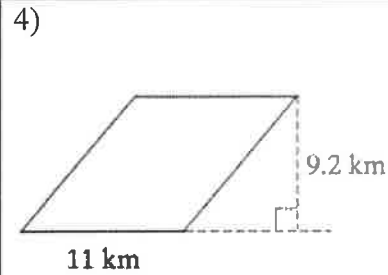
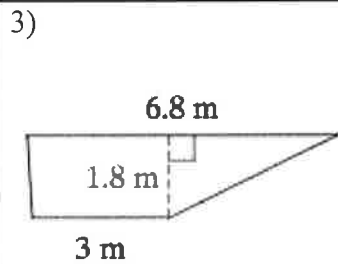
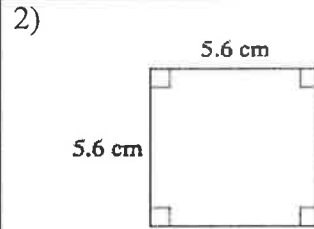
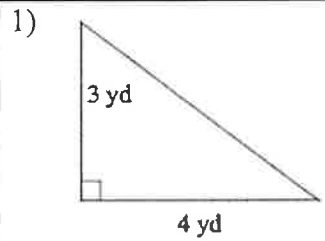


- 9) $m\angle 1 =$
- 10) $m\angle 2 =$
- 11) $m\angle 3 =$
- 12) $m\angle 4 =$

Score: _____ %

12.2 I can find the area of squares, rectangles, parallelograms, trapezoids, and triangles.

Write the area formula for each shape. Use the area formula to calculate the area.

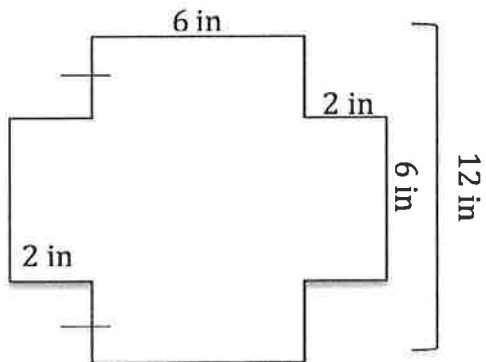


Score: _____ %

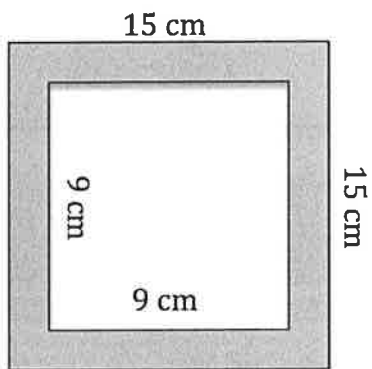
12.3 I can find the area and perimeter of the polygon given.

Find the area and perimeter of each figure.

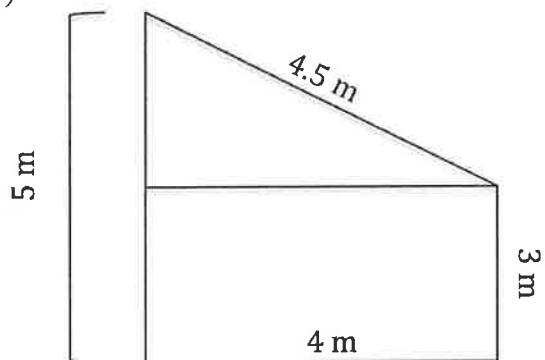
1)



2) Find the area of the shaded region and the perimeter of the shaded region.



3)



Score: _____ %

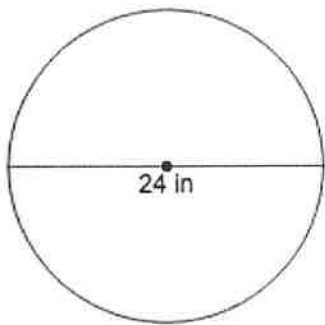
12.4 I can apply the circumference circle to find the circumference of a circle.

Find the circumference of each circle. Use 3.14 for π . Round your answer to the nearest tenth.

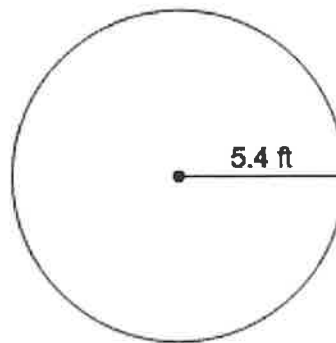
1) A circle with a diameter of 2 inches.

2) A circle with a radius of 15 mm.

3)



4)



Find the missing measurement. Use 3.14 for π .

5) Circumference: 100.48 in
Diameter: ?

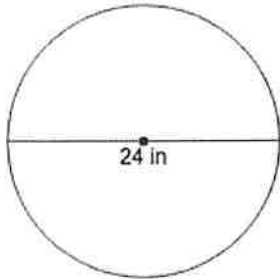
6) Circumference: 31.4 yd
Radius: ?

Score: _____ %

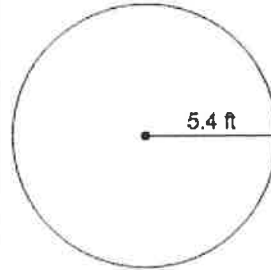
12.5 I can find the area of a circle.

Find the area of the circle. Use 3.14 for π . Round to nearest tenth.

1)



2)



3) A circle with a radius of 6 cm.

4) A circle with a diameter of 40 mm.

Find the **area** of the circle given the circumference. Use 3.14 for π . Round to the nearest tenth.

5) $C = 43.96$ cm

Area =

6) $C = 15.7$ ft

Area =

Find the **circumference** of the circle given the area. Use 3.14 for π . Round to the nearest tenth.

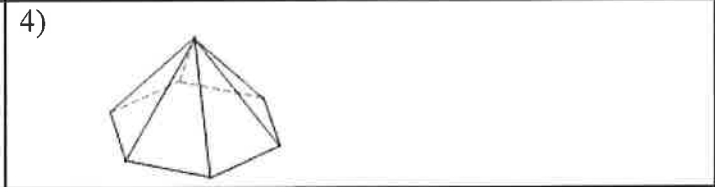
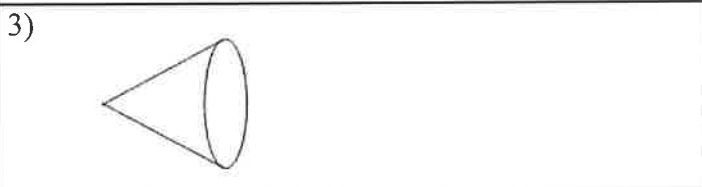
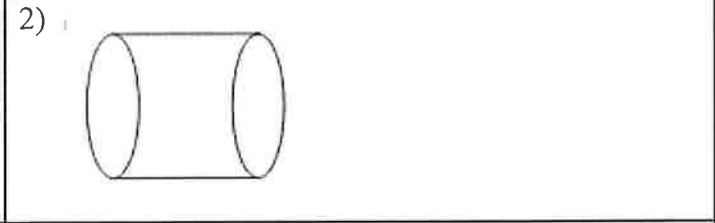
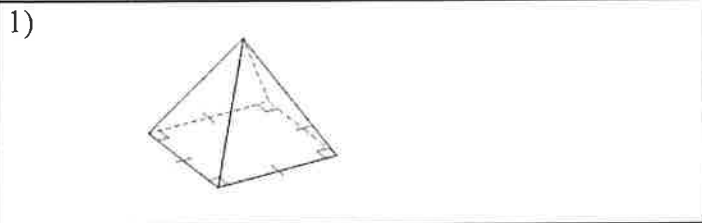
5) $A = 28.26$ in²

6) $A = 200.96$ yd²

Score: _____ %

12.6 I can identify the solid and cross-sections of the solid.

Name the solid.



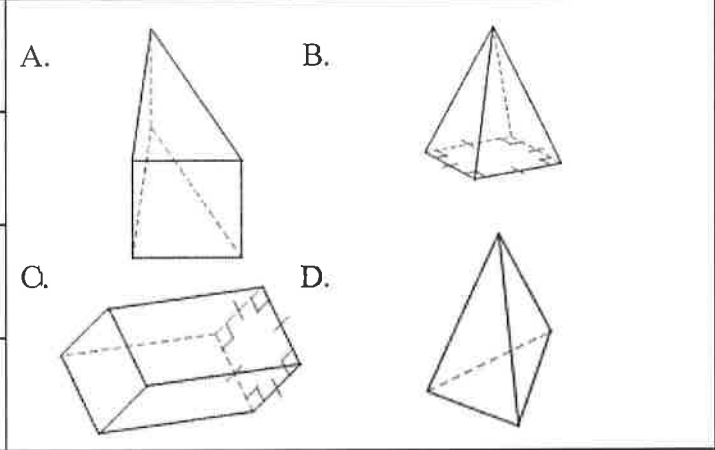
Match the figure to the correct number of vertices, edges and faces.

5) Faces: 4
Vertices: 4
Edges: 6

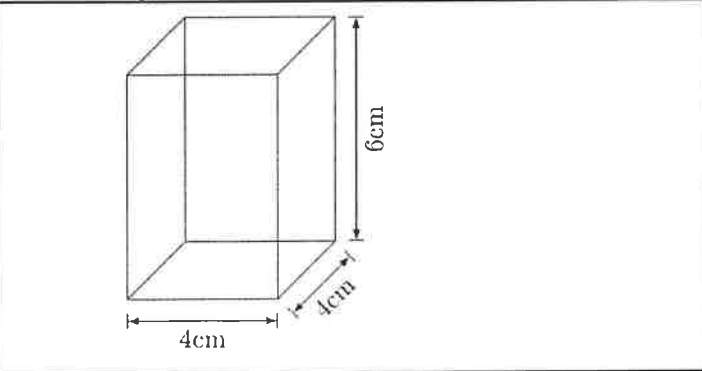
6) Faces: 6
Vertices: 8
Edges: 12

7) Faces: 5
Vertices: 5
Edges: 8

8) Faces: 5
Vertices: 6
Edges: 9



Use the figure below to identify the cross-sections:



9) Vertical Cross-Section:

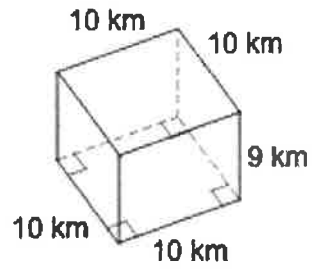
10) Horizontal Cross-Section:

Score: _____ %

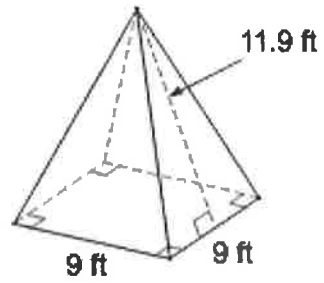
12.7 I can find the surface area of prisms and pyramids.

Find the surface area.

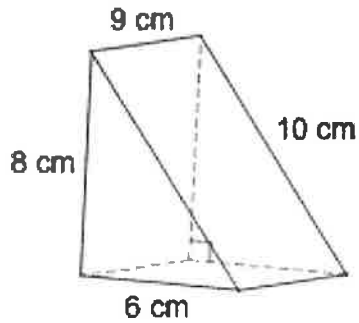
1)



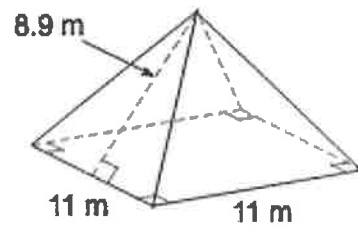
2)



3)



4)

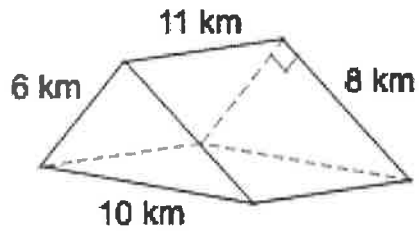


Score: _____ %

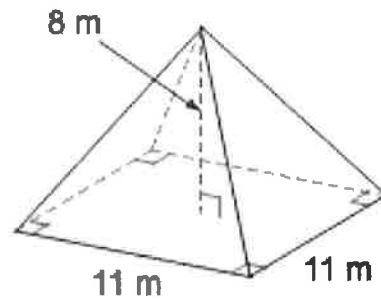
12.8 I can find the volume of prisms and pyramids.

Find the volume of each figure below. Round the nearest whole number.

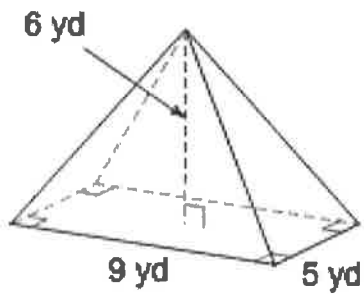
1)



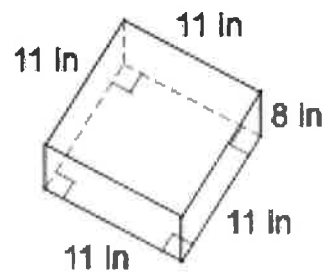
2)



3)



4)



Score: _____ %