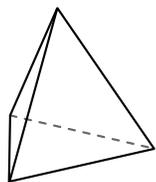# Characteristics of 3d Shapes

Name:

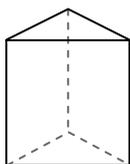**Use the diagram to determine the faces, vertices and edges of the shapes.**

1)

triangular pyramid
faces: _____
vertices: _____
edges: _____

2)

triangular prism
faces: _____
vertices: _____
edges: _____

3)
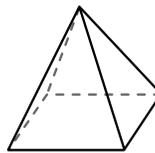
rectangular pyramid
faces: _____
vertices: _____
edges: _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

4)

triangular prism   triangular pyramid

Which shape has more faces?
A.triangular prism
B.triangular pyramid
C.They both have the same number of faces.

5)

sphere   triangular pyramid

Which shape has more vertices?
A.sphere
B.triangular pyramid
C.They both have the same number of vertices.

6)

sphere   rectangular pyramid

Which shape has more edges?
A.sphere
B.rectangular pyramid
C.They both have the same number of edges.

Math

Name: **Answer Key**

Use the diagram to determine the faces, vertices and edges of the shapes.
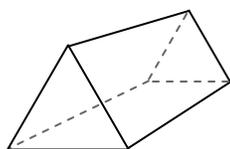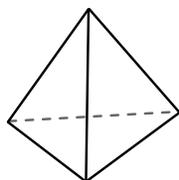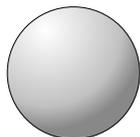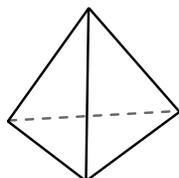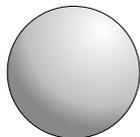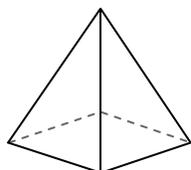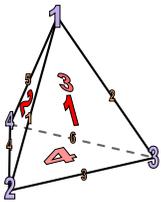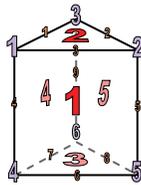
Answers

1)

triangular pyramid
faces: _____4_____
vertices: _____4_____
edges: _____6_____

2)

triangular prism
faces: _____5_____
vertices: _____6_____
edges: _____9_____

3)
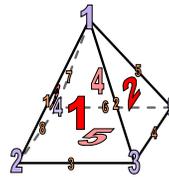
rectangular pyramid
faces: _____5_____
vertices: _____5_____
edges: _____8_____

1. **4, 4, 6**
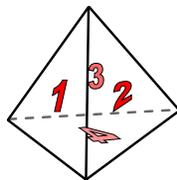
2. **5, 6, 9**

3. **5, 5, 8**

4. **A**

5. **B**

6. **B**

4)

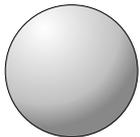triangular prism   triangular pyramid
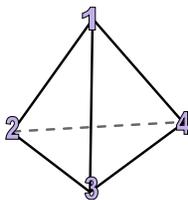
Which shape has more faces?
A.triangular prism
B.triangular pyramid
C.They both have the same number of faces.

5)

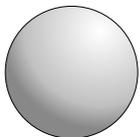sphere   triangular pyramid

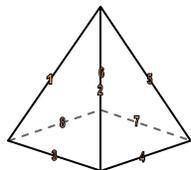Which shape has more vertices?
A.sphere
B.triangular pyramid
C.They both have the same number of vertices.

6)

sphere   rectangular pyramid

Which shape has more edges?
A.sphere
B.rectangular pyramid
C.They both have the same number of edges.

Math