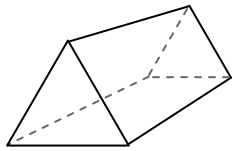# Characteristics of 3d Shapes

Name:

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

1)

triangular prism
faces: _____
vertices: _____
edges: _____

2)
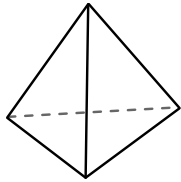
triangular pyramid
faces: _____
vertices: _____
edges: _____

3)
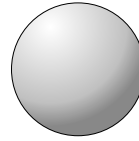
sphere
faces: _____
vertices: _____
edges: _____

4)

rectangular pyramid   triangular prism

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

5)

sphere   triangular prism

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

6)

rectangular pyramid   rectangular prism

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

Math   www.CommonCoreSheets.com

Name:

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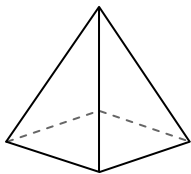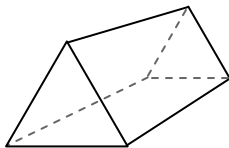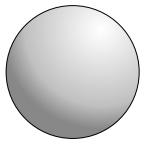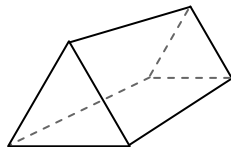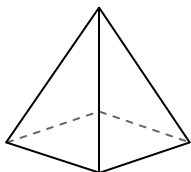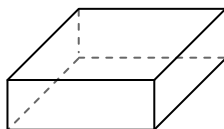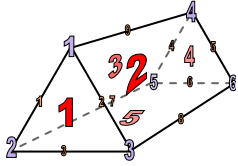
Answers

1)

triangular prism
faces: ___5___
vertices: ___6___
edges: ___9___

2)
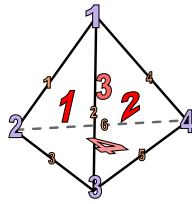
triangular pyramid
faces: ___4___
vertices: ___4___
edges: ___6___

3)
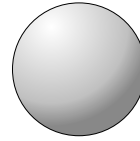
sphere
faces: ___1___
vertices: ___0___
edges: ___0___

1. **5, 6, 9**

2. **4, 4, 6**

3. **1, 0, 0**

4. **C**

5. **B**

6. **B**
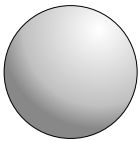
4)

rectangular pyramid   triangular prism

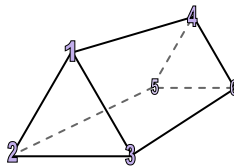Which shape has more faces?
A.rectangular pyramid
B.triangular prism
C.They both have the same number of faces.
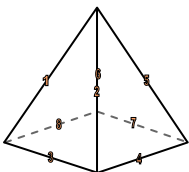
5)

sphere   triangular prism

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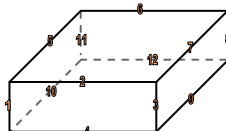B.triangular prism
C.They both have the same number of vertices.

6)

rectangular pyramid   rectangular prism

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