3D Shapes and Their Properties

Name: _____ Date: _____

Part A: Name the 3D Shape

Write the name of each 3D shape described below.

1. I have 6 square faces, 12 edges, and 8 vertices. I am a _____
2. I have 2 circular faces, 1 curved surface, and no vertices. I am a _____
3. I have no flat faces, no edges, and no vertices. I am a _____
4. I have 6 rectangular faces, 12 edges, and 8 vertices. I am a _____
5. I have 1 square base, 4 triangular faces, 8 edges, and 5 vertices. I am a _____

Part B: Complete the Table

Fill in the missing information about each 3D shape.

3D Shape	Number of Faces	Number of Edges	Number of Vertices
Cube	_____	_____	_____
Rectangular Prism	_____	_____	_____
Cylinder	_____	_____	_____
Sphere	_____	_____	_____
Square-based Pyramid	_____	_____	_____

Part C: True or False

Write T for true or F for false.

1. _____ A cube has all square faces.
2. _____ A cylinder has 3 faces.
3. _____ A sphere has curved surfaces.
4. _____ All pyramids have triangular faces.
5. _____ A rectangular prism and a cube both have 12 edges.

Reminder: Face = flat or curved surface | Edge = where two faces meet | Vertex = corner point