Properties of 3D shapes

Name: Class: Date:

| Mark | / 3 | % |

1) Complete the table to show the number of faces, edges and vertices for each solid.

	Faces	Edges	Vertices
Cube			
Cuboid			
Cylinder			
Pyramid			
Cone			
Sphere			

[1]

2) Guadalupe is constructing a 3D shape using 1 square and 4 triangles.   [1]

What 3D shape is Guadalupe making?

3) Colleen is constructing a 3D shape using one straw for each edge and one connector for each vertex. [1]

How many straws and connectors will she need to make a triangular prism?

         straws and   connectors

Solutions for the assessment Properties of 3D shapes

1)
Cube: 6, 12, 8
Cuboid: 6, 12, 8
Cylinder: 3, 2, 0
Pyramid: 5, 8, 5
Cone: 2, 1, 1
Sphere: 1, 0, 0

2) square-based pyramid

3) 9 straws and 6 connectors