GEOMETRY REPLAY

3D Objects, Nets, and Transformations

Teams Name _____ Class: _____ /10

Section 1: 3D Objects and Nets - Learner 1

1) Which 3D object has six equal square faces?
   a) Rectangular Prism
   b) Cube
   c) Trianglar Prism
   d) Square-based pyramid (1)

2) Look at the description of the three nets below. Which one will fold into a cube?
- a) Net A: Four squares in a row, with one square above and one below the second square
- b) Net B: Five squares in a row, with one square attached to the end.
- c) Net C: Three squares in a row, with one square above the first square and one below the third square.

(2)

Section 2: Properties of 3D objects - Learner 2

3) Complete the following information about a cube:
- Number of faces: _____
- Number of edges: _____
- Number of vertices: _____ (3)

Section 3: Transformations - Learner 3

4) A square moves three units to the right on a grid without turning or flipping.
   a) Name of the transformation: _____
   b) In which direction does the square move? _____ (2)

Section 4: Applying your knowledge - Learner 4

5) A square is turned 90 degrees clockwise around a fixed point .
   Name the transformation: _____

6) Explain why six connected squares can form a cube when arranged correctly.
_____
_____(2)

LIVEWORKSHEETS