Name: Date:

Maths Assessment Year 3 Term 3: Geometry – Properties of Shapes

1. Draw 2-D shapes; recognise 3-D shapes in different orientations and describe them.

a) Draw a quadrilateral (use a ruler):
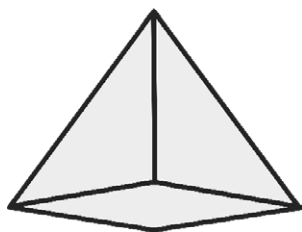
b) Draw an octagon (use a ruler):

1 mark

1 mark

c) Name these shapes and tick the properties that are true:

Properties

Number of faces: ☐

Number of vertices: ☐

Number of edges: ☐

Name of shape ☐

1 mark

Name a shape with the following properties:

7 faces
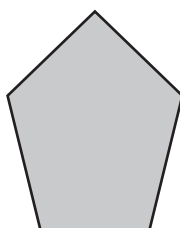**15** edges
10 vertices

5 of the faces are rectangles.

Name of shape ☐

1 mark

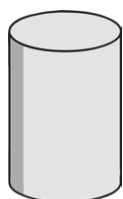**d)** With a ruler, draw any lines of symmetry these shapes have:

1 mark
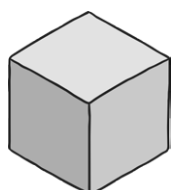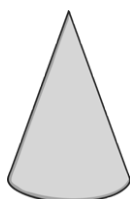
Total for
this page

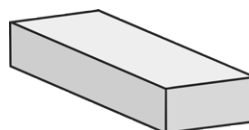**e)** Write the name of the shapes in the correct place in the Carroll diagram.

	Has at least one curved face	Has no curved faces
Has at least one square face		
Has no square faces		

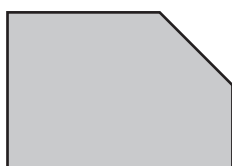**2.** Recognise angles as a property of shape or a description of a turn.

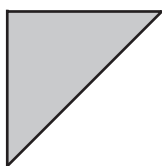**a)** Circle the angles that are smaller than a right angle.
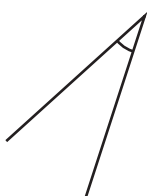
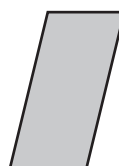**3.** Identify right angles; identify whether angles are greater than or less than a right angle:

a) Write how many right angles has each shape?
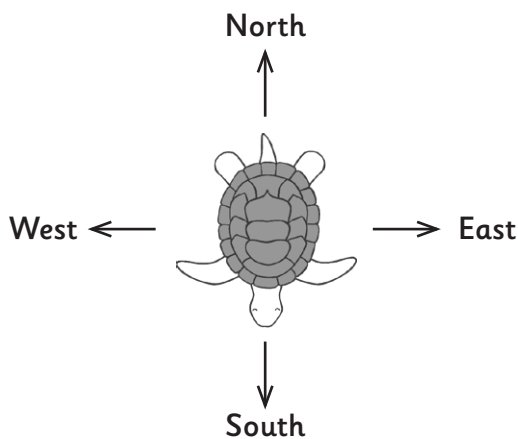
[ ] right angles   [ ] right angles   [ ] right angles

b) How many right angles is $\frac{1}{2}$ of a complete turn?

c) The turtle is facing South. After three right angle turns clockwise, where will he be facing?

North

West ← → **East**
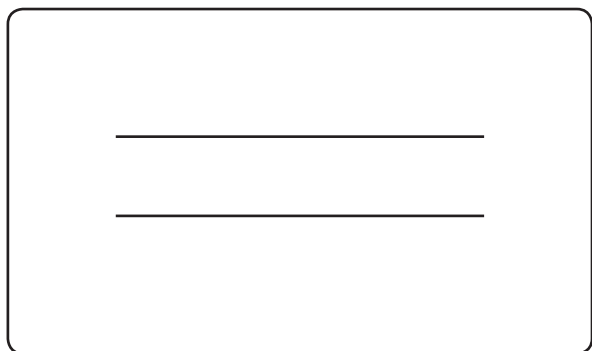
He will be facing

South

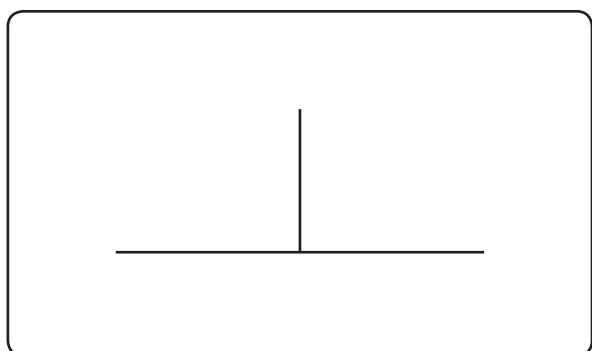**d)** Circle the angle that is larger than a right angle.

4. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

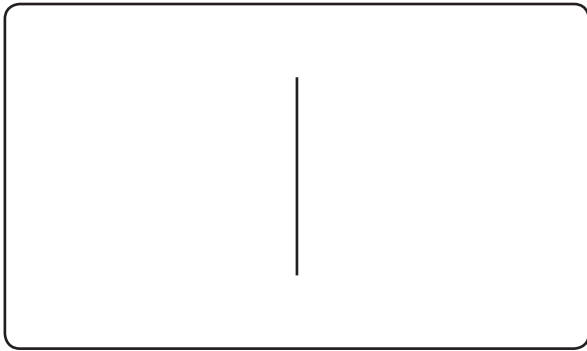Complete the description of each drawing:

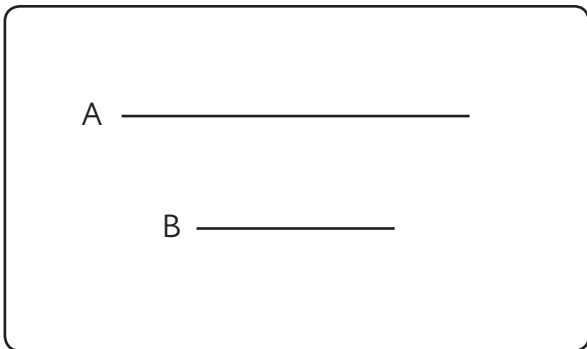**a)** These lines are: _____

b) These lines are: _____

4

c) This line is: _____

d) This line is: _____

A ———————————

B ————————

e) Line B is _____ than line A.