Practice worksheet | Angles and polygons

Classifying triangles/quadrilaterals

Name: _____ Date: _____

6 questions | 12 marks

1. A triangle has side lengths 6 cm, 6 cm and 6 cm. Give its most specific side-based name and each angle size. [2 marks]

2. A triangle has angles 90°, 35° and 55°. Classify it by angles and by sides. [2 marks]

3. A simple quadrilateral has four sides each measuring 5 cm. No angle sizes are supplied. What family is guaranteed? Is it necessarily a square? [2 marks]

4. A quadrilateral has two pairs of opposite parallel sides. State its guaranteed family. What angle property would establish that it is a rectangle? [3 marks]

5. Using this chapter’s definition, name a quadrilateral with exactly one pair of opposite parallel sides. [1 mark]

6. Explain why a square belongs to both the rectangle and rhombus families. [2 marks]