Shapes, angles and symmetry - topic test

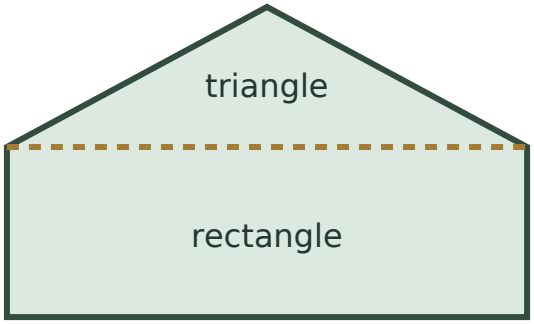
Name: _____ Date: _____

12 questions | 19 marks | 30 minutes

Begin with familiar ideas, then explain and apply your understanding. Show your working.

No calculator needed.

1. The supplied house outline is split by a dashed line. Name its two parts. [1 mark]



2. Name the solids in a model with a cone nose and a cylinder body. [1 mark]

3. Name an angle smaller than a right angle. [1 mark]

4. Name an angle larger than a right angle but smaller than a straight angle. [1 mark]

5. Name a half-turn angle. [1 mark]

6. Name an angle larger than a half turn but smaller than a full turn. [1 mark]

7. Draw a non-square rectangle and show its two reflection lines. [2 marks]

8. Give the smallest matching turn for each plain shape. [2 marks]

(a) A square. [1 mark]

(b) A non-square rectangle. [1 mark]

9. A six-column grid is reflected across its centre line. Which columns match columns 1 and 3? [2 marks]

10. Draw a composite shape made from one triangle and one rectangle. Show the join. [2 marks]

11. A square outline has a blue dot near only one corner. Does the decorated design match after a quarter turn? Explain. [2 marks]

12. Make a rectangular design with half-turn symmetry using two coloured dots. Explain where they go. [3 marks]