Practice worksheet | Geometry and transformations

Invariant and changing properties

Name: _____ Date: _____

6 questions | 13 marks

1. Name two properties preserved by translation. [2 marks]

2. A side is 2.5 cm. Find its image length under factor 4. [2 marks]

3. A perimeter is 22 cm. Find the image perimeter under factor 1.5. [2 marks]

4. An area is 18 cm². Find the image area under factor 3. [2 marks]

5. Similar figures have areas 25 cm² and 100 cm². Find the positive length factor from small to large. [2 marks]

6. A triangle is reflected. What happens to its clockwise vertex order and area? Explain. [3 marks]