Practice worksheet | Congruence and similarity

Similar shapes and corresponding sides

Name: _____ Date: _____

6 questions | 14 marks

1. A 4 cm side becomes 10 cm in a similar shape. Find the scale factor. [2 marks]

2. A similar enlargement has factor 3. A side is originally 7 cm. Find its image length. [2 marks]

3. A shape is reduced by factor $\frac{1}{2}$. Its original side is 18 mm. Find the new length. [2 marks]

4. Similar rectangles have widths 8 cm and 12 cm. The smaller has height 10 cm. Find the larger height. [3 marks]

5. A 30 cm model side represents an actual side of 1.2 m. Find the scale factor from model to actual. [3 marks]

6. A triangle is enlarged by factor 4. One original angle is 50°. What is the corresponding image angle? Explain. [2 marks]