Practice worksheet | Ratio, rates and similarity

Enlargement and scale factors

Name: _____ Date: _____

6 questions | 14 marks

1. Enlarge $(2, 5)$ by factor 3 about the origin. [2 marks]

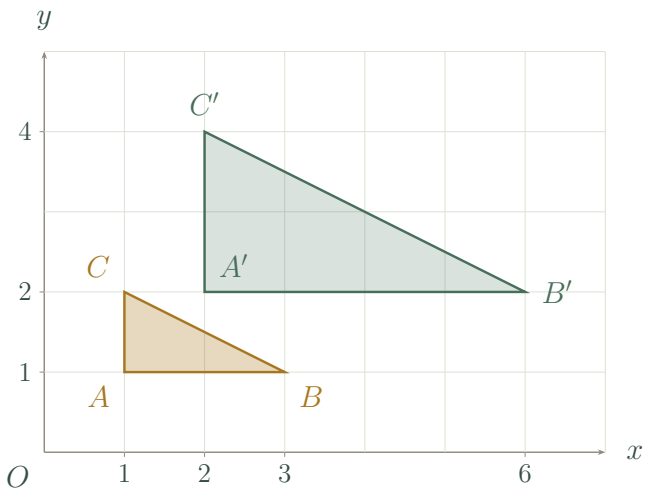
2. Reduce $(-8, 4)$ by factor $\frac{1}{4}$ about the origin. [2 marks]

3. For an origin-centred enlargement, $(3, 2)$ maps to $(12, 8)$. Find the scale factor. [2 marks]

4. A shape has perimeter 18 cm. It is enlarged by factor 1.5. Find its new perimeter. [2 marks]

5. Find the image of $P(5, 2)$ under factor 3 about $C(2, 1)$. [3 marks]

6. In the supplied diagram, name the centre and scale factor taking ABC to its image. [3 marks]



Original and image