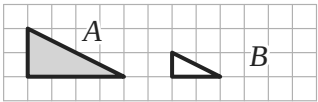
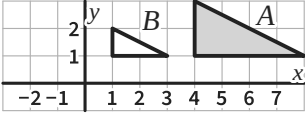
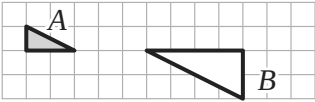
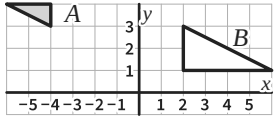
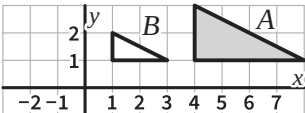
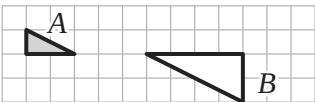
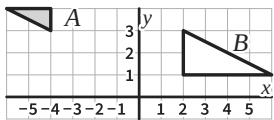


a Find the scale factor from <i>A</i> to <i>B</i>  $\frac{1}{2}$ a scale factor less than 1	b Enlarge (6, 4) by scale factor $\frac{1}{2}$, centre (0, 0). Give the new point. $(3, 2)$ a fractional scale factor from (0, 0)	c Enlarge (7, 5) by scale factor $\frac{1}{2}$, centre (1, 1). Give the new point. $(4, 3)$ a fractional scale factor from a centre	d <i>A</i> to <i>B</i> is scale factor 3. Find the scale factor <i>B</i> to <i>A</i> . $\frac{1}{3}$ the inverse of an enlargement
e A 6 cm line is enlarged by scale factor $\frac{2}{3}$. Find its new length. 4 cm a scale factor like two thirds	f Find the centre of enlargement  $(-2, 1)$ the centre for a fractional scale factor	g Find the scale factor from <i>A</i> to <i>B</i>  -2 a negative scale factor	h A 3 cm line is enlarged by scale factor -2 . Find its new length. 6 cm lengths stay positive
i Enlarge (2, 1) by scale factor -2 , centre (0, 0). Give the new point. $(-4, -2)$ a negative scale factor from (0, 0)	j Enlarge (3, 2) by scale factor -2 , centre (1, 1). Give the new point. $(-3, -1)$ a negative scale factor from a centre	k Which single transformation is the same as scale factor -1 ? $a \text{ rotation of } 180^\circ$ scale factor -1 as a half turn	l Find the centre of enlargement  $(-2, 3)$ the centre for a negative scale factor

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a Find the scale factor from <i>A</i> to <i>B</i>  $\frac{1}{2}$ a scale factor less than 1	b Enlarge (6, 4) by scale factor $\frac{1}{2}$, centre (0, 0). Give the new point. $(3, 2)$ a fractional scale factor from (0, 0)	c Enlarge (7, 5) by scale factor $\frac{1}{2}$, centre (1, 1). Give the new point. $(4, 3)$ a fractional scale factor from a centre	d <i>A</i> to <i>B</i> is scale factor 3. Find the scale factor <i>B</i> to <i>A</i> . $\frac{1}{3}$ the inverse of an enlargement
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i Enlarge (2, 1) by scale factor -2 , centre (0, 0). Give the new point. $(-4, -2)$ a negative scale factor from (0, 0)	j Enlarge (3, 2) by scale factor -2 , centre (1, 1). Give the new point. $(-3, -1)$ a negative scale factor from a centre	k Which single transformation is the same as scale factor -1 ? $a \text{ rotation of } 180^\circ$ scale factor -1 as a half turn	l Find the centre of enlargement  $(-2, 3)$ the centre for a negative scale factor

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