Examples

Workout

Click here

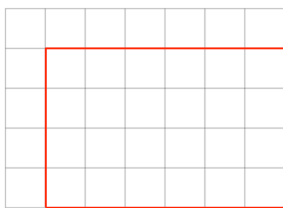Scan here

*There are templates for questions 3, 4 and 5 at the end of this exercise

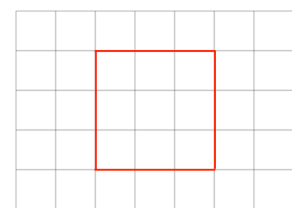Question 1:   Copy these shapes and then enlarge by the scale factor given.

(a)

Enlarge by scale factor $\frac{1}{2}$

(b)
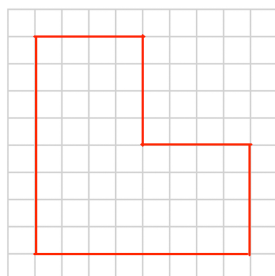
Enlarge by scale factor $\frac{1}{3}$

(c)

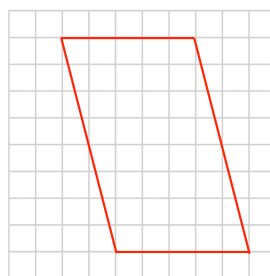Enlarge by scale factor $\frac{2}{3}$

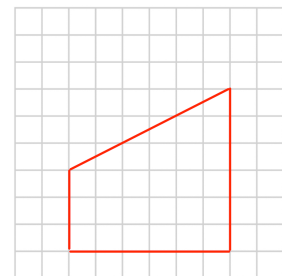Question 2:   Copy these shapes and then enlarge by the scale factor given.

(a)

Enlarge by scale factor $\frac{1}{4}$

(b)

Enlarge by scale factor $\frac{1}{2}$
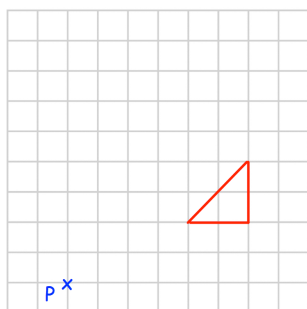
(c)

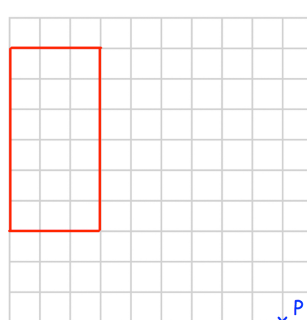Enlarge by scale factor $1\frac{1}{3}$

Question 3:   Enlarge each shape by the scale factor given
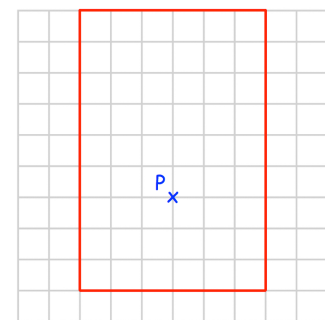   Use P as the centre of enlargement.

(a)

Enlarge by scale factor $\frac{1}{2}$
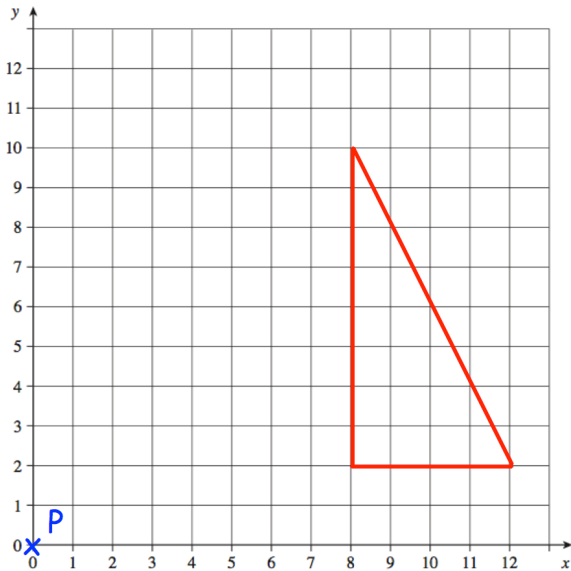
(b)

Enlarge by scale factor $\frac{1}{3}$
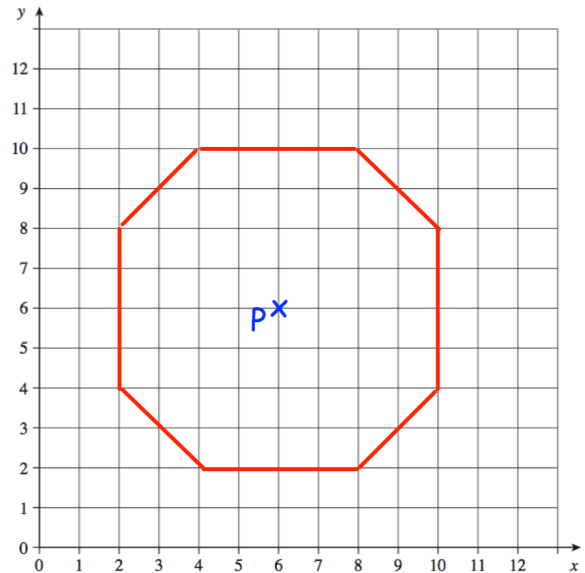
(c)

Enlarge by scale factor $\frac{2}{3}$

Question 4: Enlarge each shape by the scale factor given
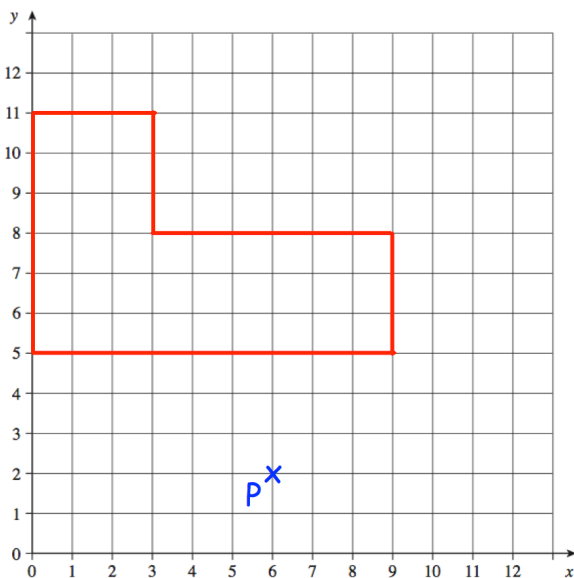Use P as the centre of enlargement.
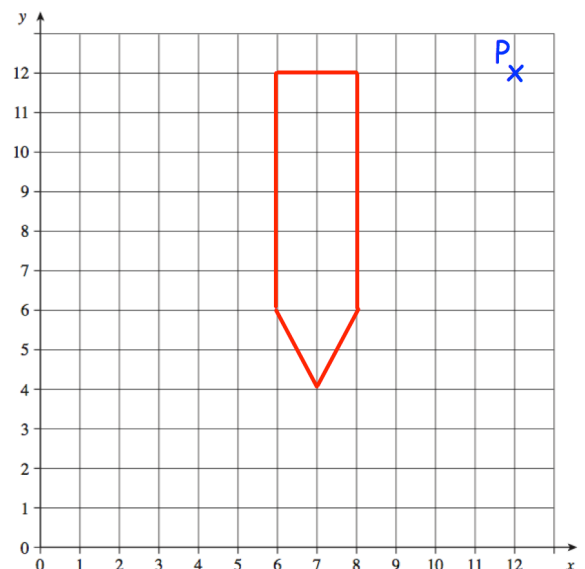
(a)

Enlarge by scale factor $\frac{1}{4}$

(b)

Enlarge by scale factor $\frac{1}{2}$

(c)

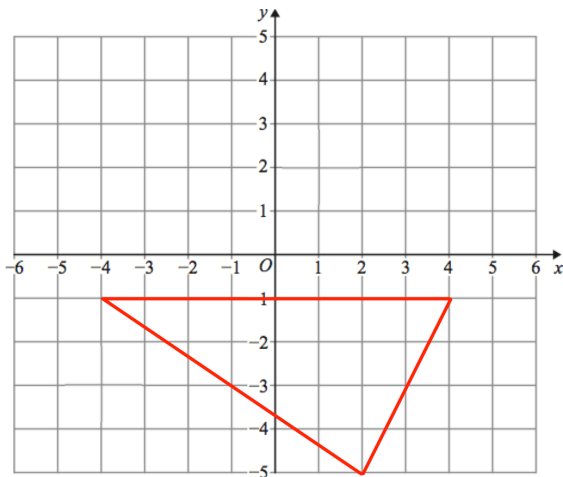Enlarge by scale factor $\frac{2}{3}$
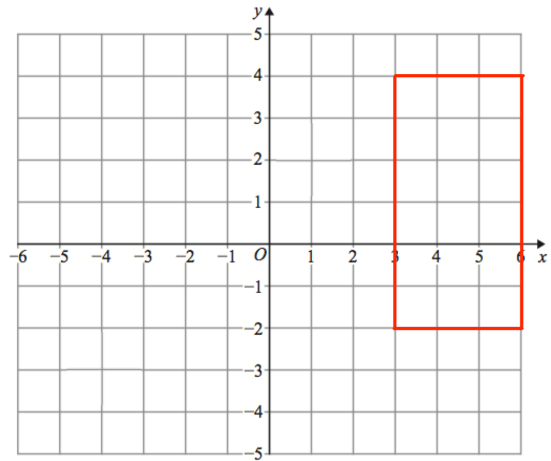
(d)

Enlarge by scale factor $1\frac{1}{2}$

Question 5: Enlarge each shape by the scale factor given
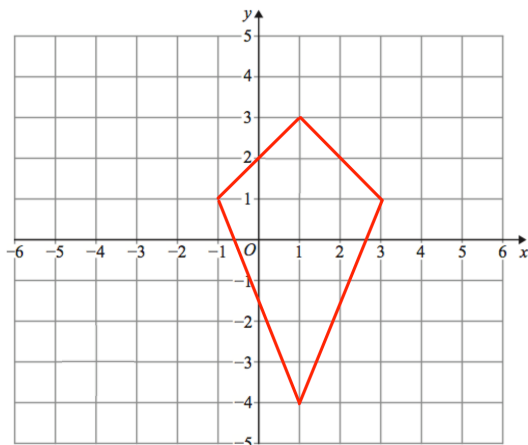The coordinates for each centre of enlargement are given.

(a)

Enlarge by scale factor $\frac{1}{2}$ using
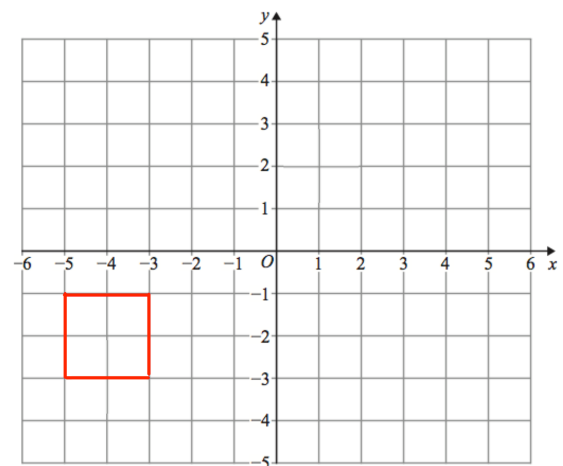(0, 1) as the centre of enlargement

(b)

Enlarge by scale factor $\frac{1}{3}$ using
(-3, 1) as the centre of enlargement

(c)

Enlarge by scale factor $\frac{1}{2}$ using
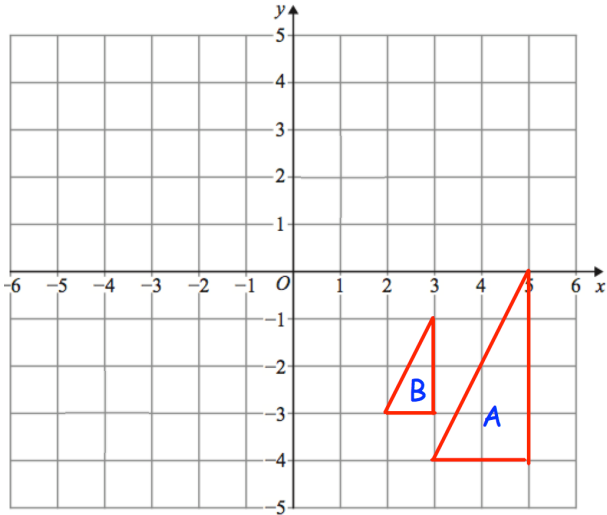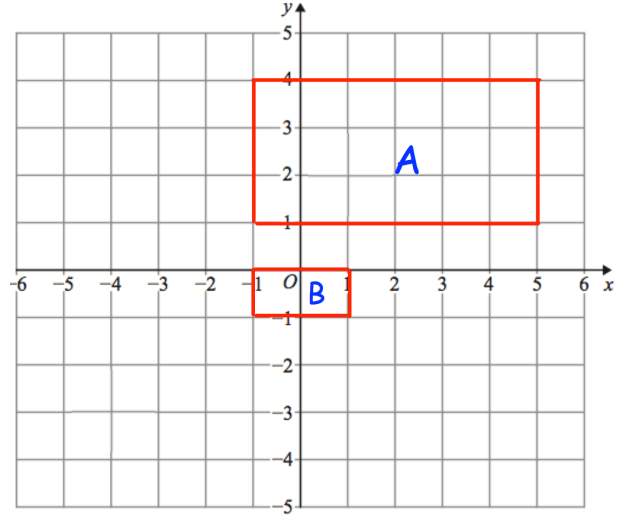(-5, -5) as the centre of enlargement

(d)

Enlarge by scale factor $2\frac{1}{2}$ using
(-5, -3) as the centre of enlargement

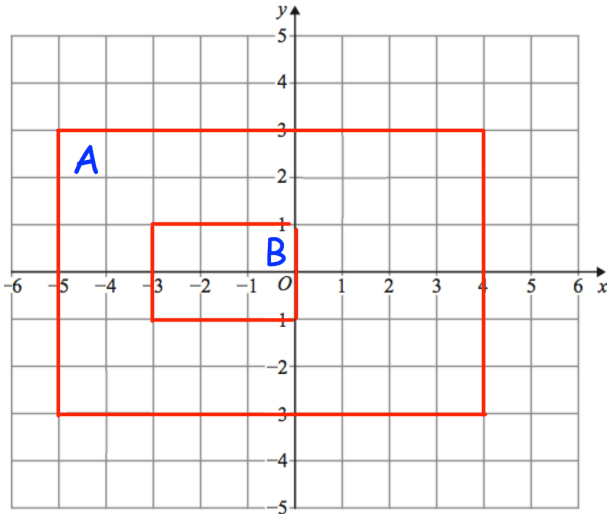Question 6:   Describe fully the single transformation that takes shape A to shape B.
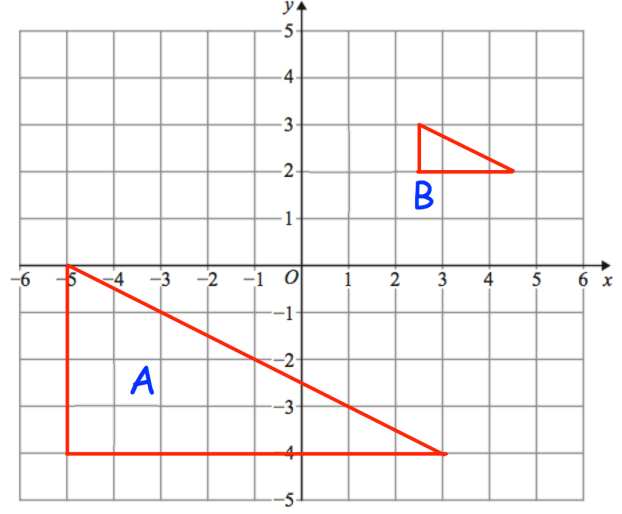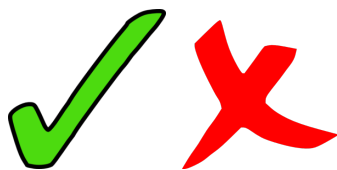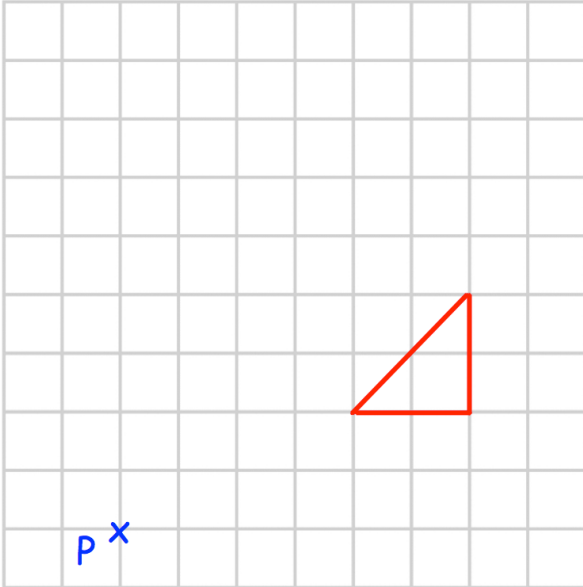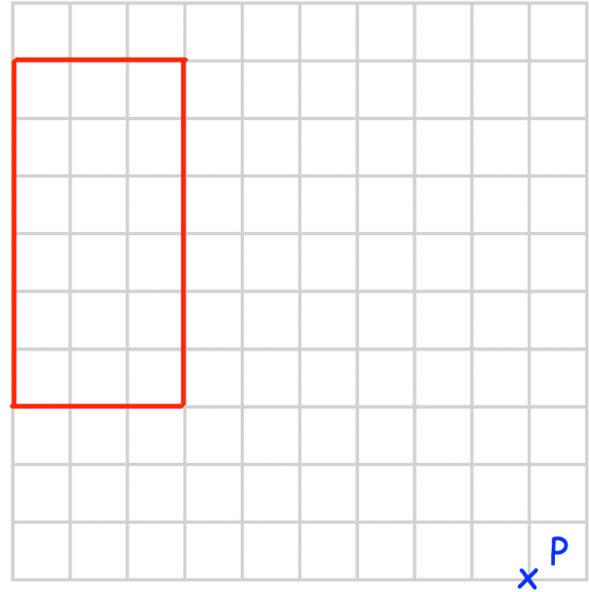
(a)

(b)

(c)

(d)

Answers

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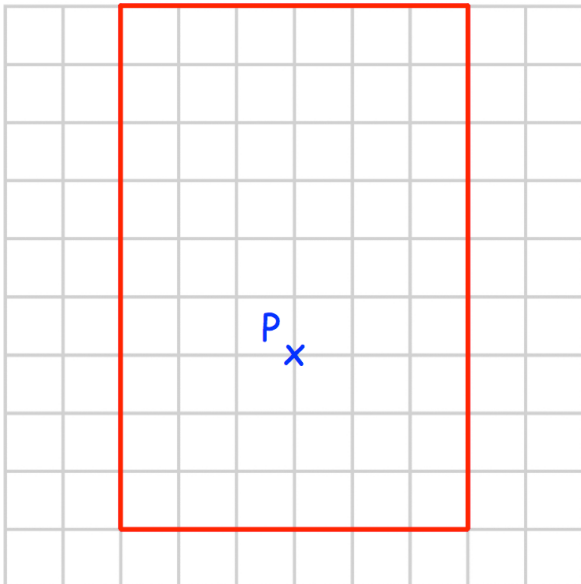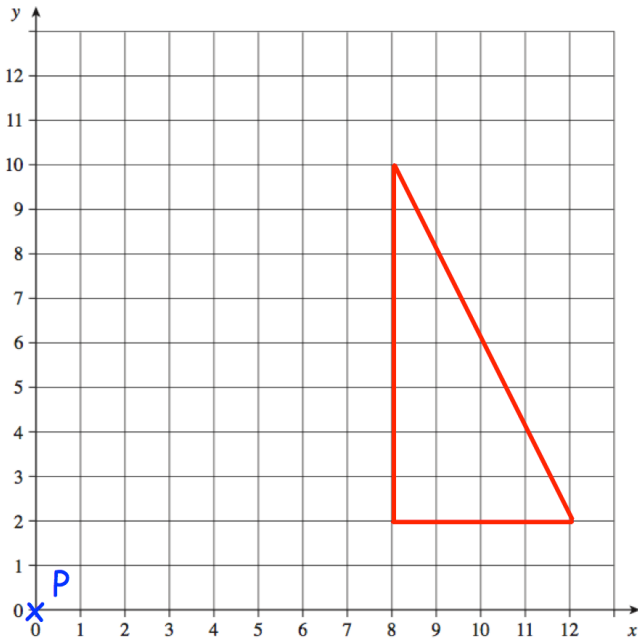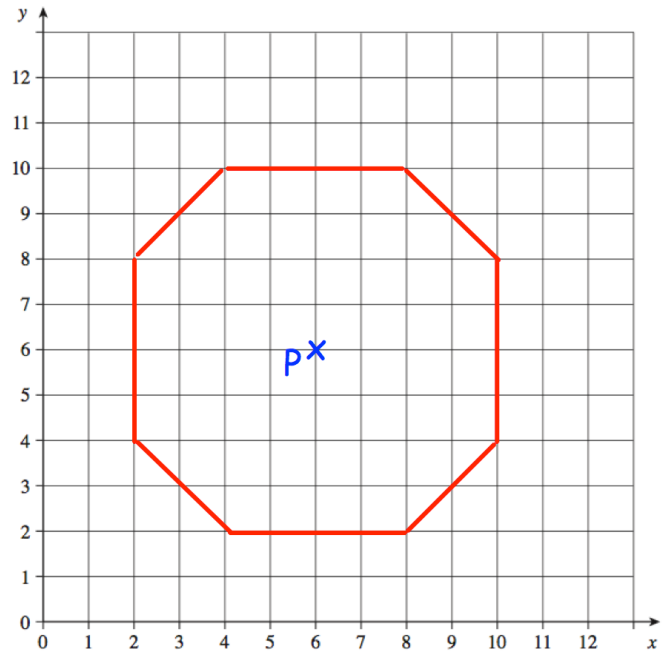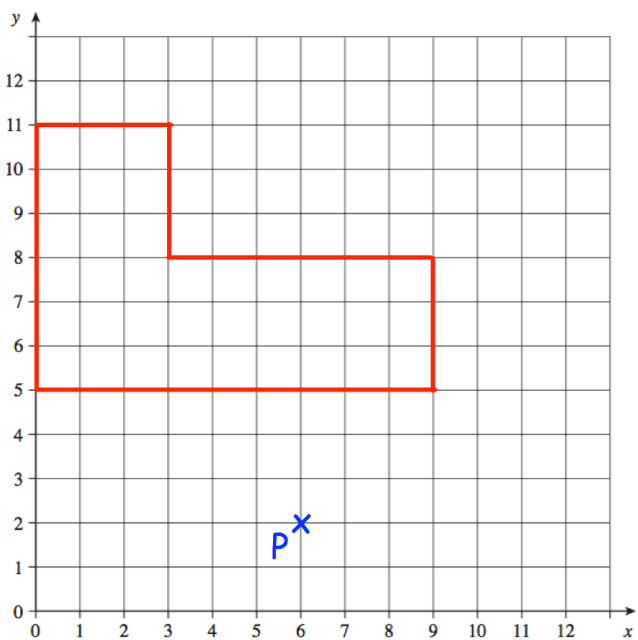
Templates
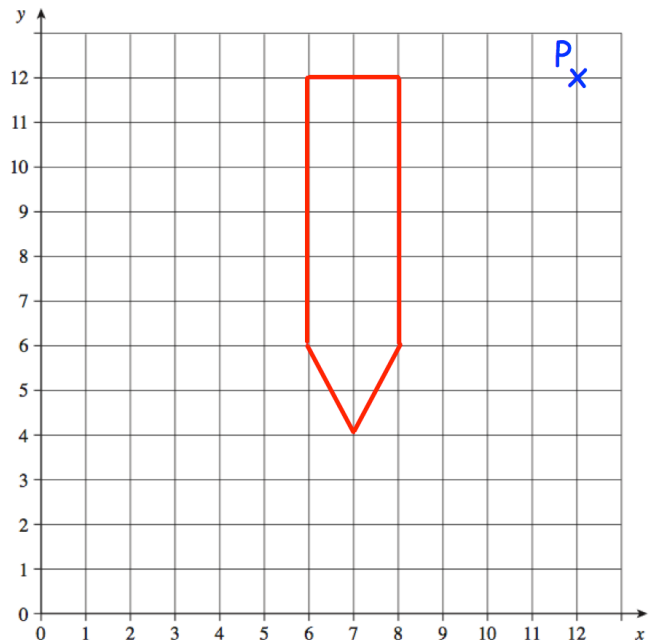
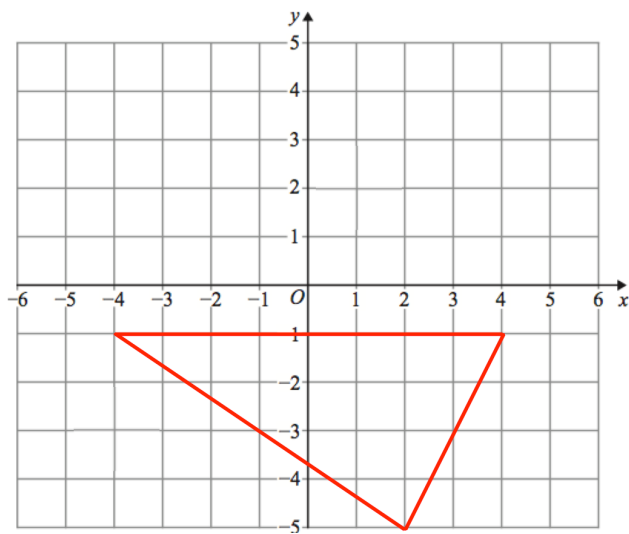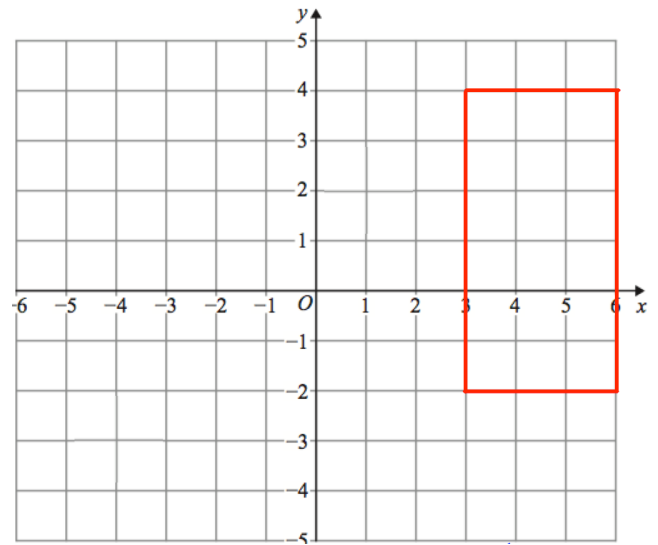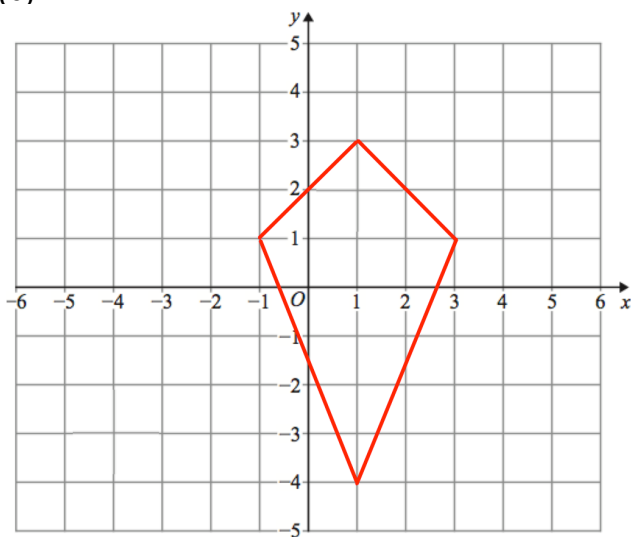Question 3 (a)   (b)

(c)

Question 4(a)

(b)

(c)

(d)

Question 5(a)

(b)

(c)

(d)