Scale Factors:

A

4 cm

B

12 cm

A

10 cm

B

20 cm

LISTEN

Enlarge the shapes by the given scale factor.
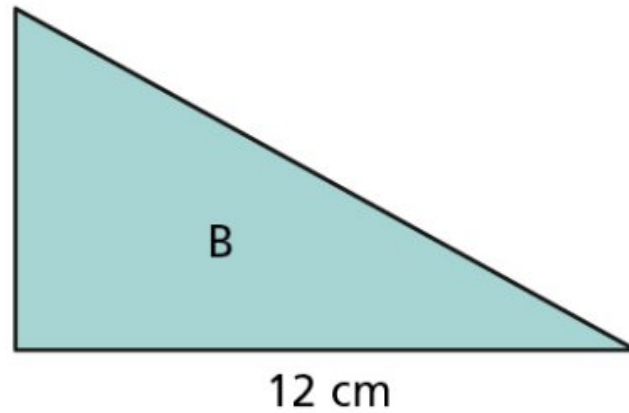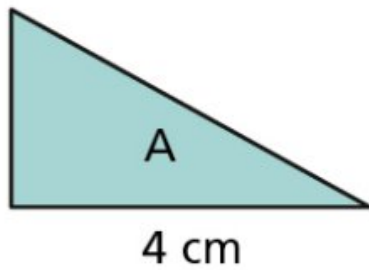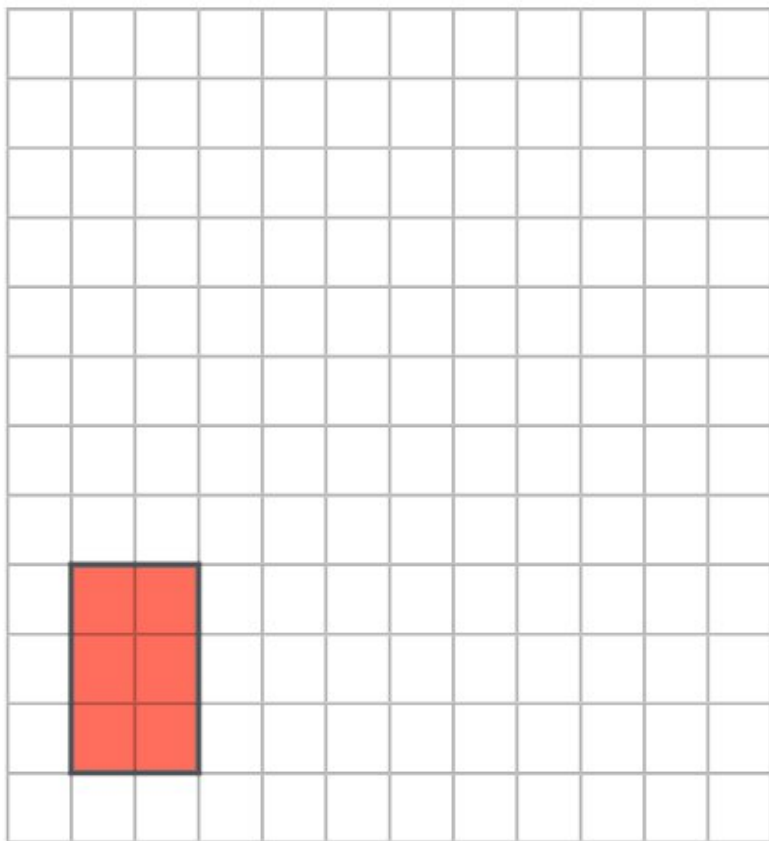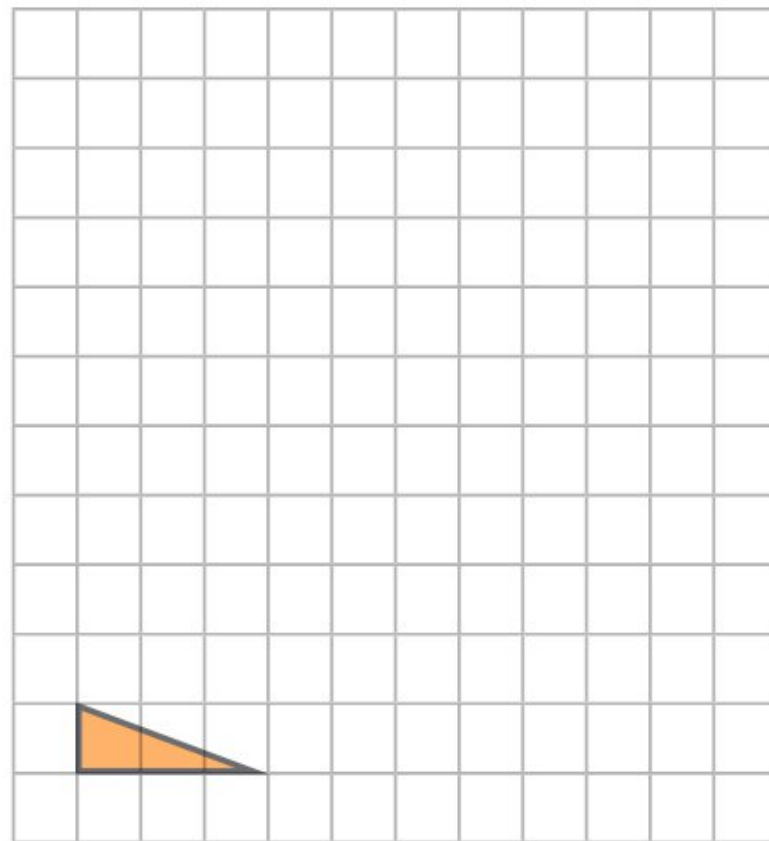
a) scale factor 2

b) scale factor 3

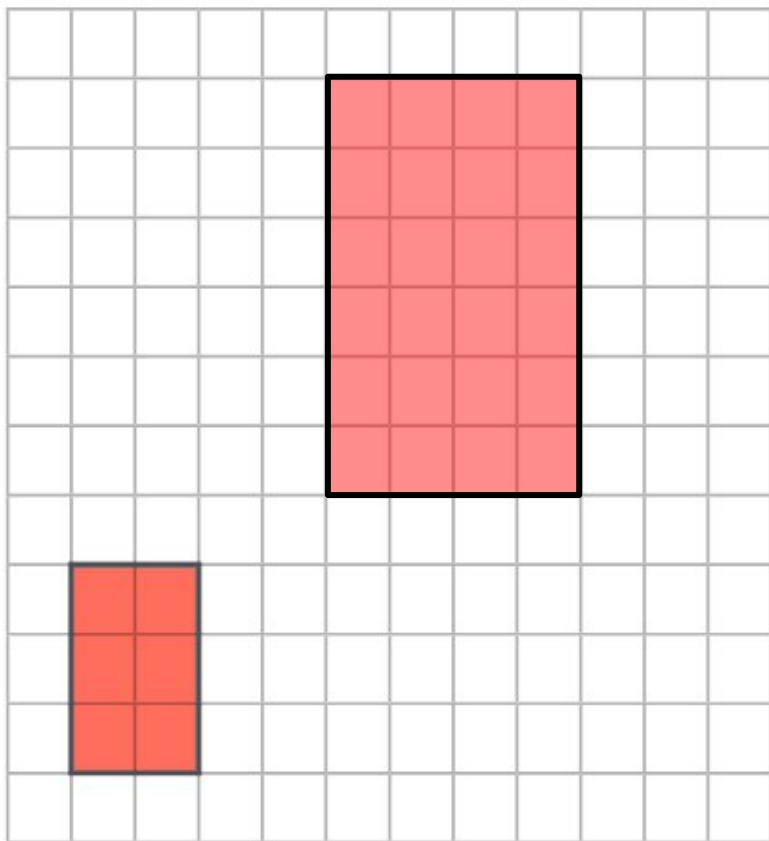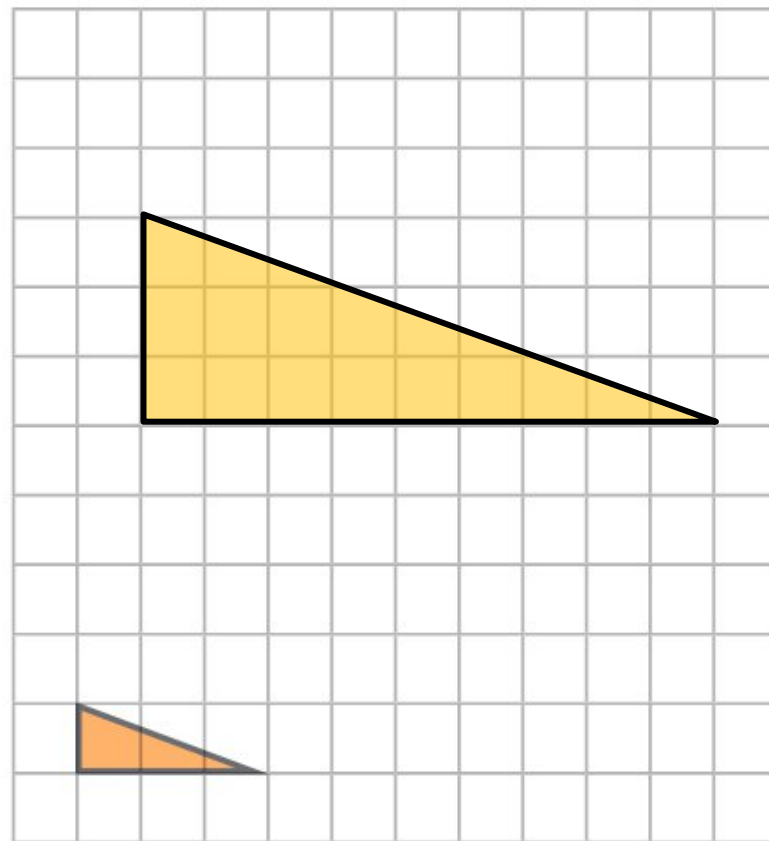Enlarge the shapes by the given scale factor.

a) scale factor 2

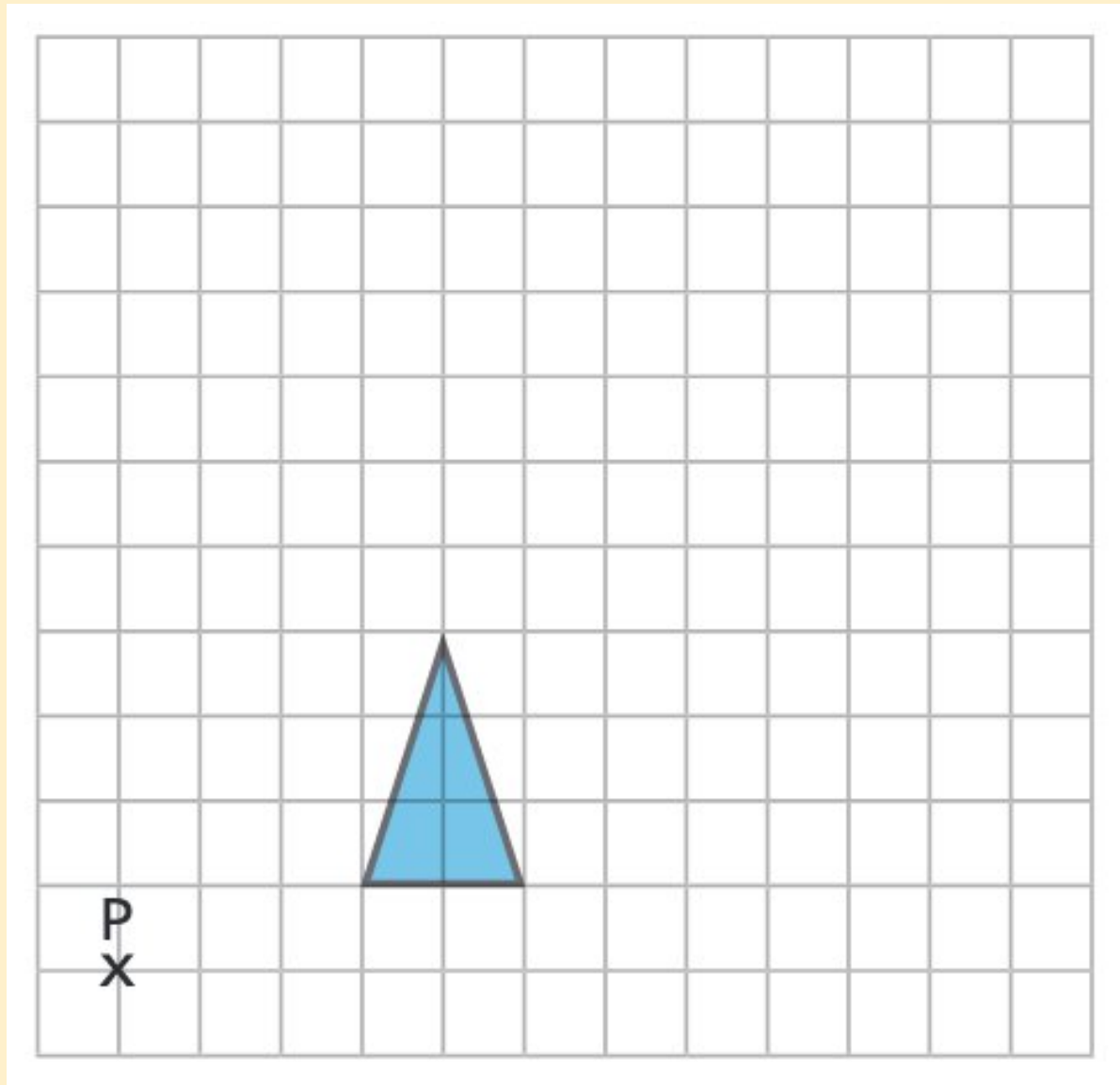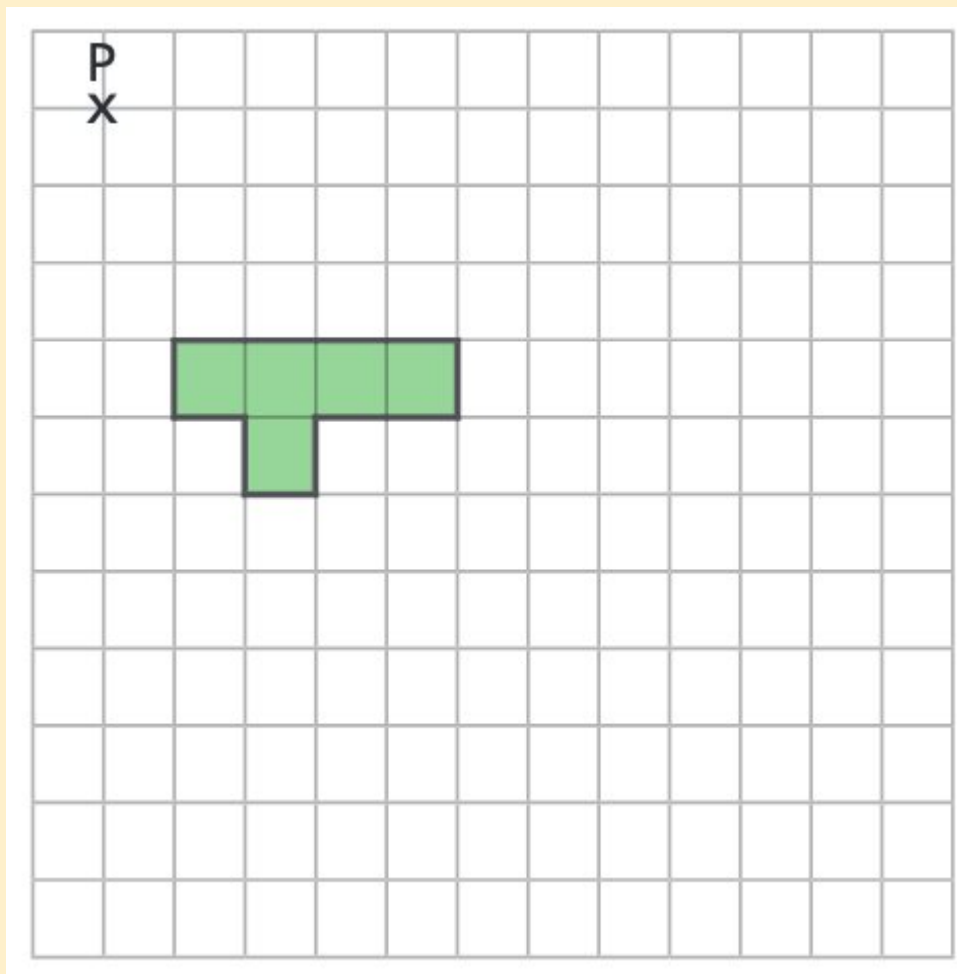**b)** scale factor 3

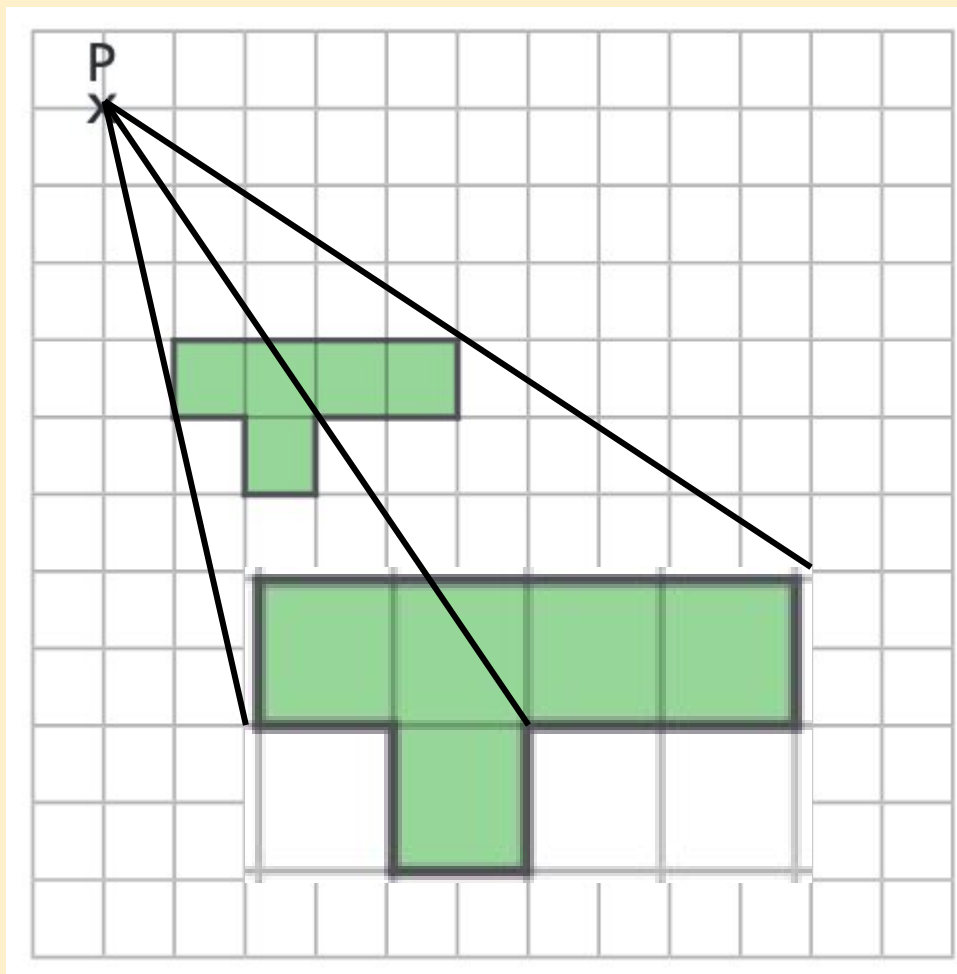Enlarge the shape below by a scale factor of 2 using P as the center of enlargement

Enlarge the shape below by a scale factor of 2 using P as the center of enlargement. Draw the result in your books.

Enlarge the shape below by a scale factor of 2 using P as the center of enlargement. Draw the result in your books.
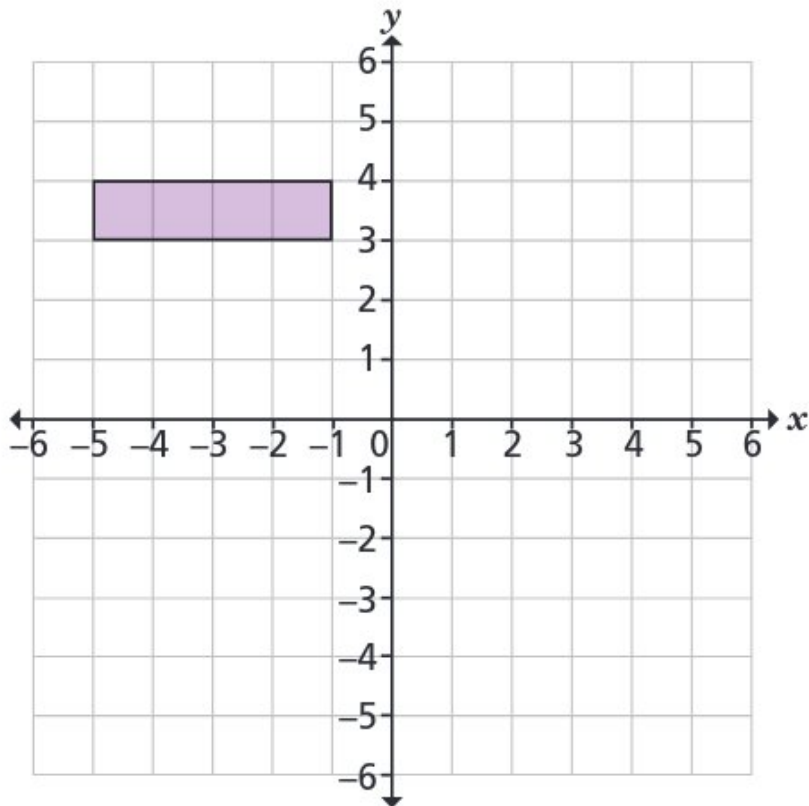
Draw the answers to each of the following in your books:

Enlarge the shapes using the given scale factor and centre of enlargement.

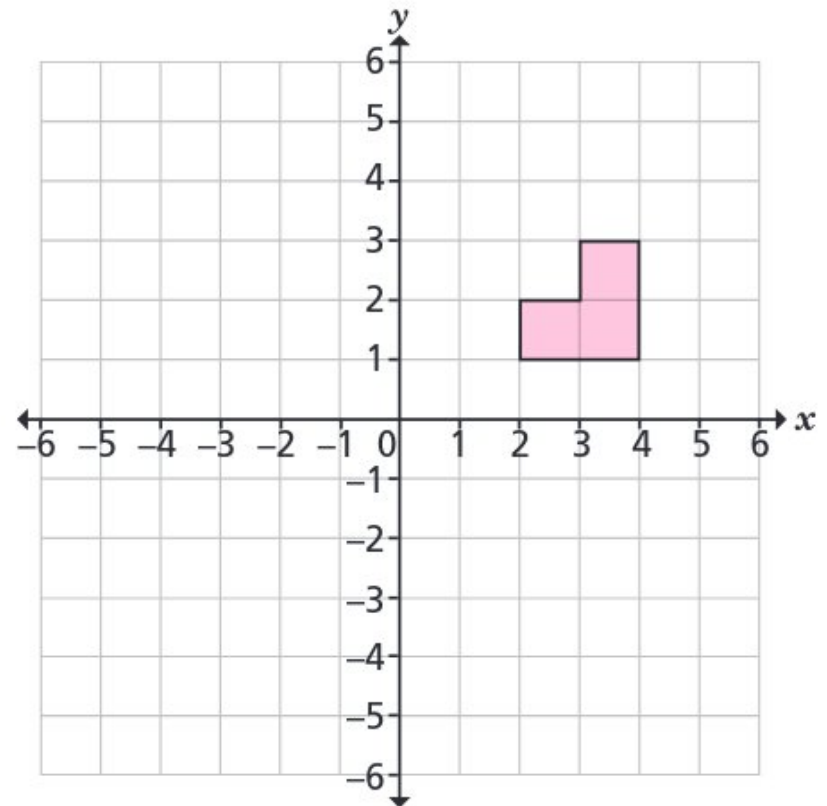a) scale factor 2
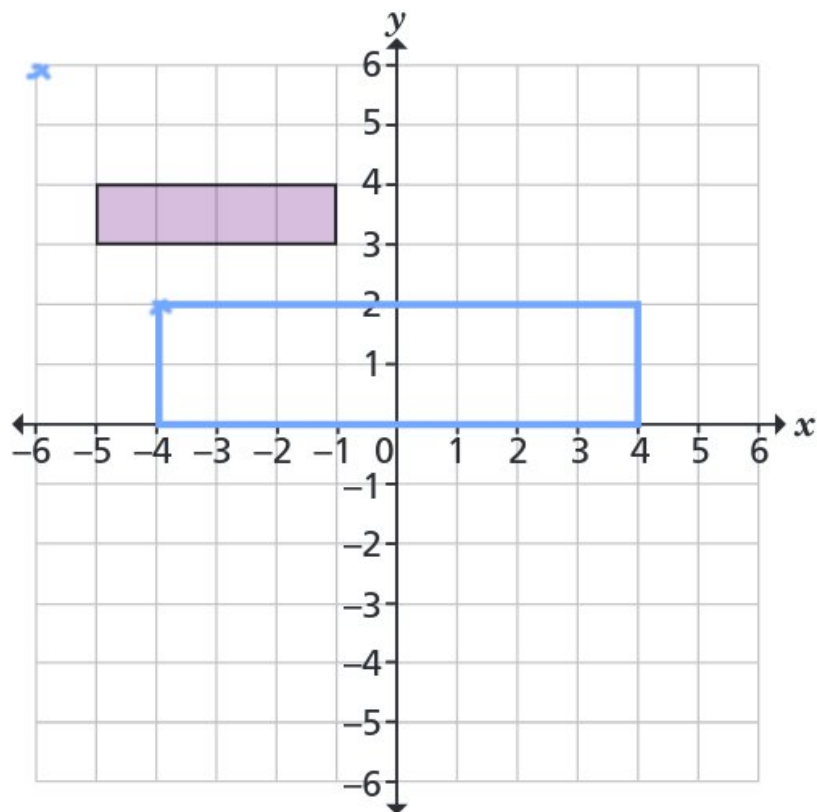
centre of enlargement (–6, 6)

b) scale factor 3

centre of enlargement (6, 2)

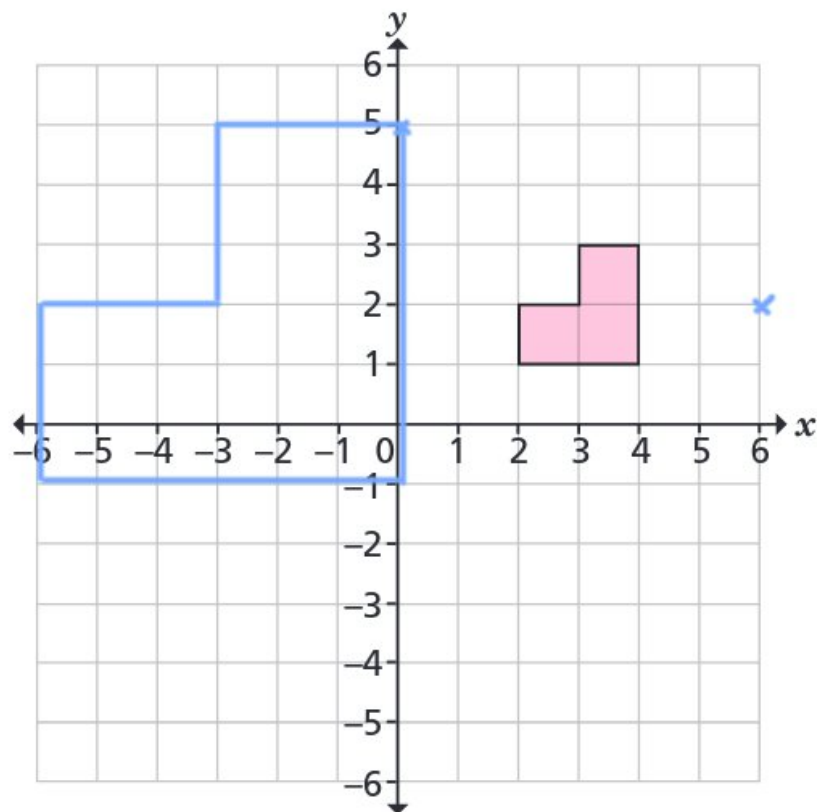Enlarge the shapes using the given scale factor and centre of enlargement.
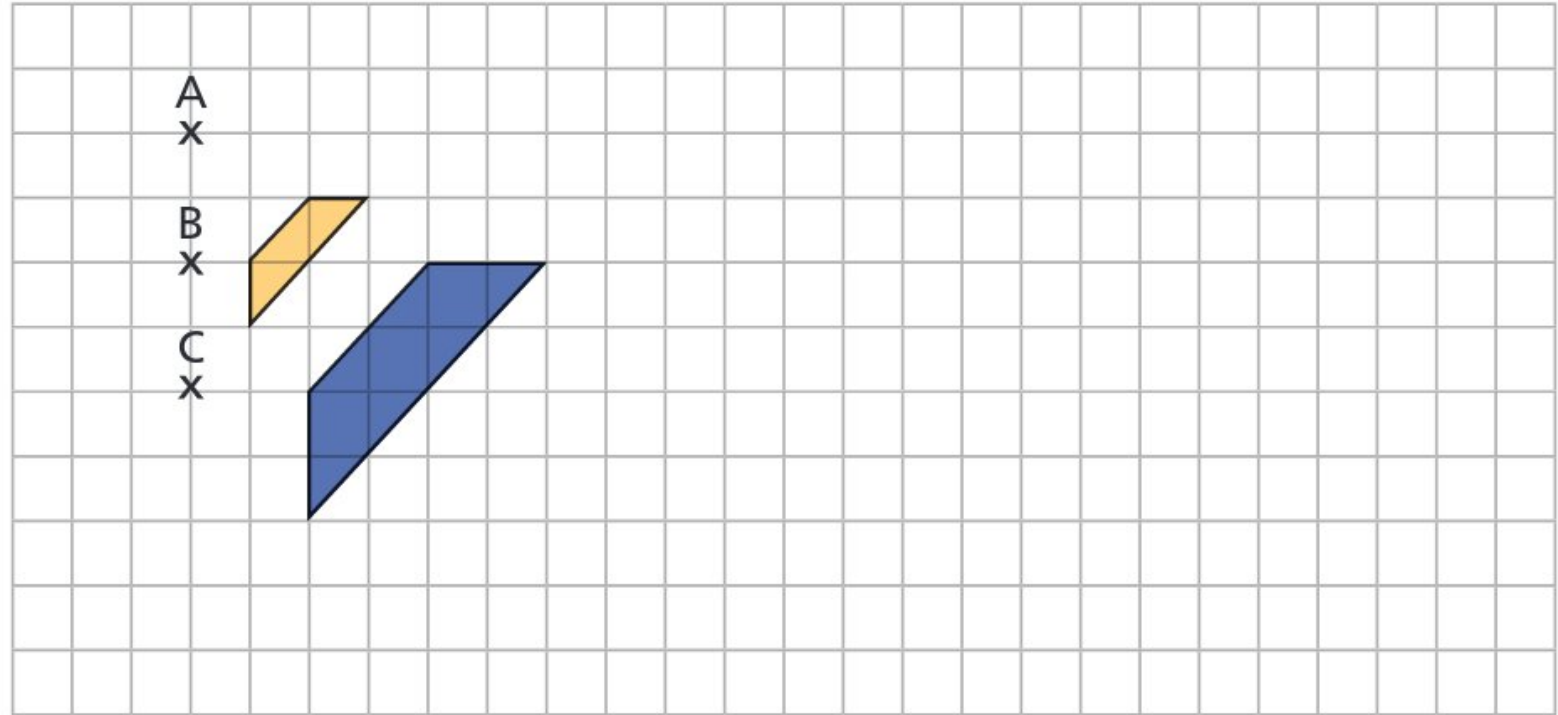
a) scale factor 2

centre of enlargement (–6, 6)

b) scale factor 3

centre of enlargement (6, 2)

The smaller trapezium on the grid has been enlarged to give the bigger trapezium.

a) What is the scale factor of the enlargement?

b) Which point is the centre of enlargement: A, B or C? _____

c) On the grid, enlarge the smaller trapezium by a scale factor of 3 from point B.

The smaller trapezium on the grid has been enlarged to give the bigger trapezium.
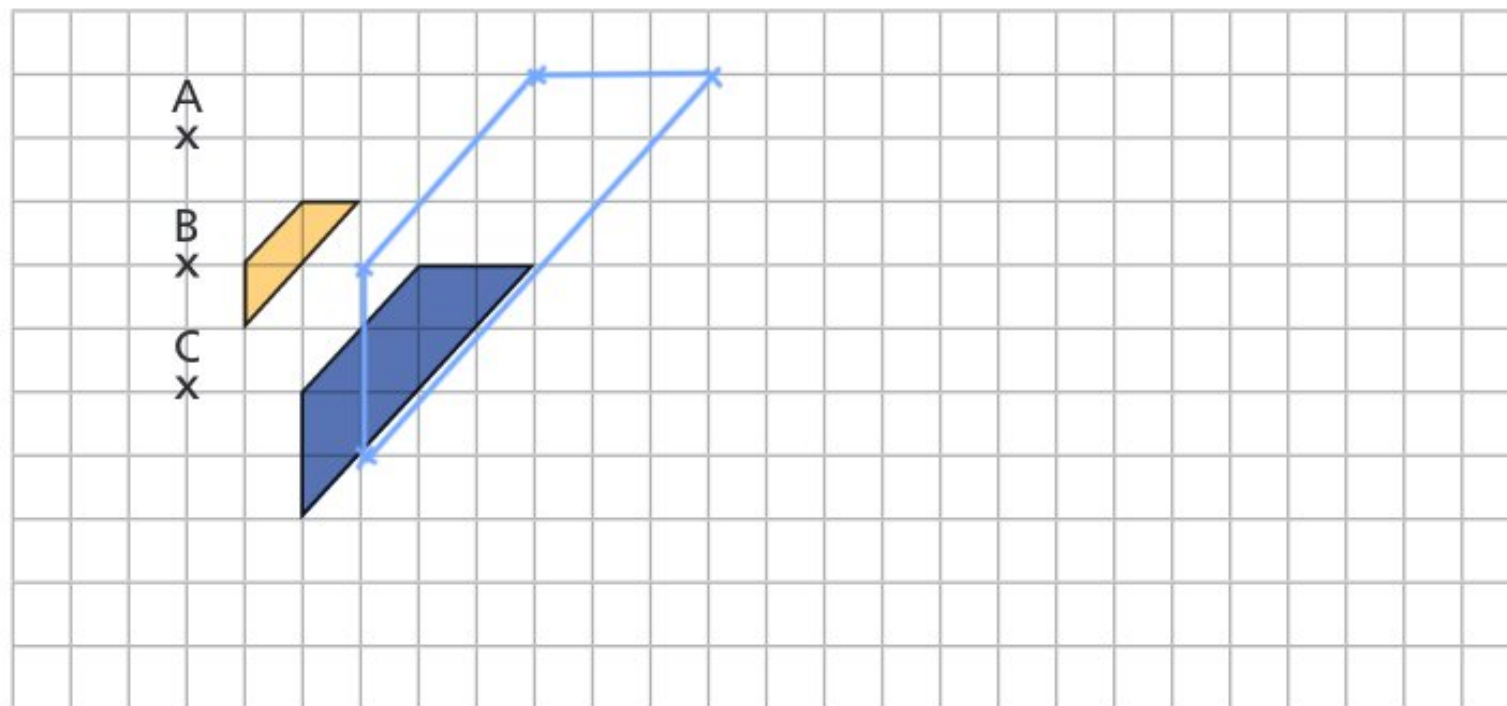

a) What is the scale factor of the enlargement?   2

b) Which point is the centre of enlargement: A, B or C?   A
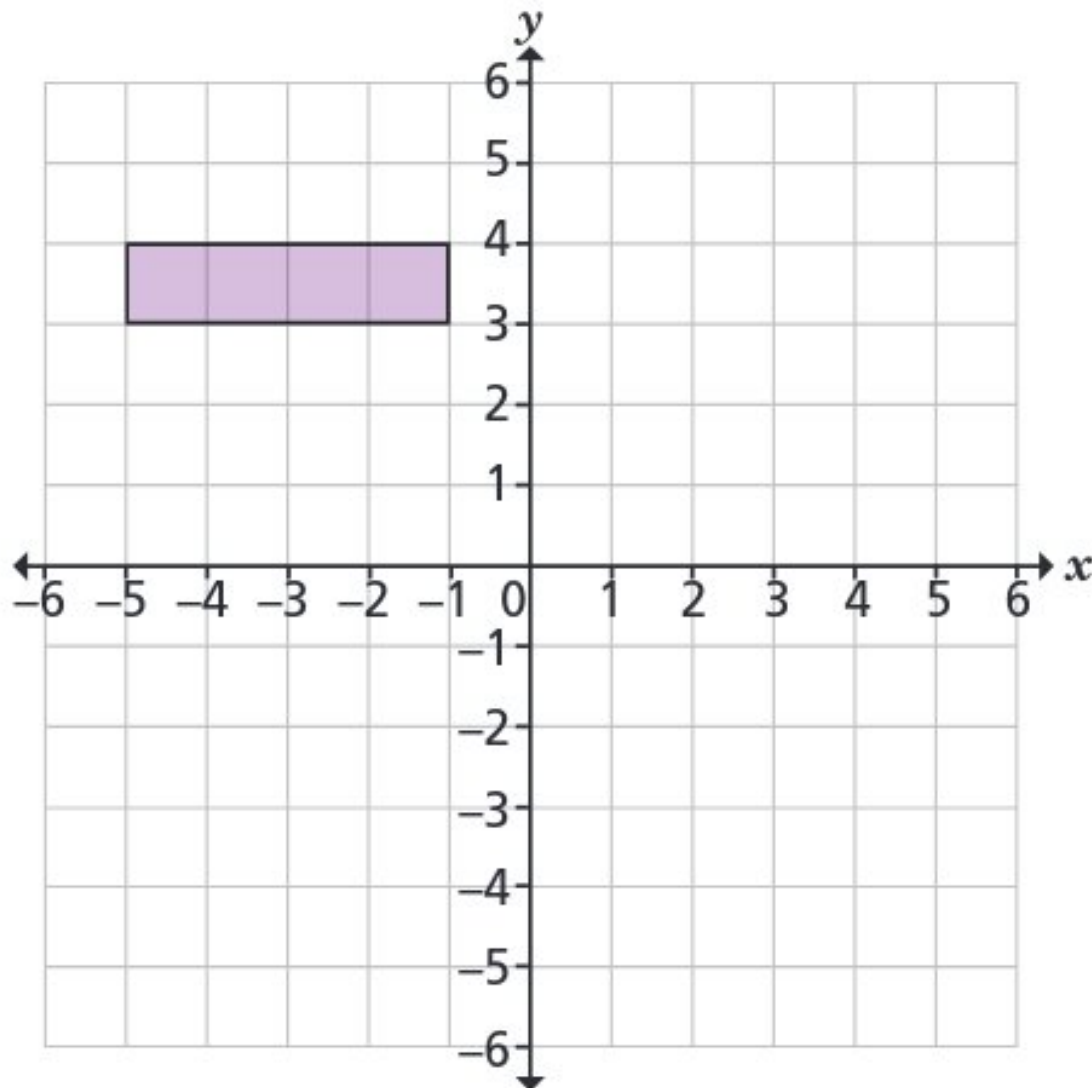
c) On the grid, enlarge the smaller trapezium by a scale factor of 3 from point B.

What about if we try to enlarge the shape below using:

A center of enlargement (0, 0)
A scale factor of **-1??**