Question 1: Enlarge each shape by the scale factor given
Use P as the centre of enlargement.

(a) Enlarge by scale factor 2
(b) Enlarge by scale factor 3
(c) Enlarge by scale factor 2
(d) Enlarge by scale factor 4
(e) Enlarge by scale factor 2
(f) Enlarge by scale factor 3
(g) Enlarge by scale factor 2
(h) Enlarge by scale factor 2

*There are templates for questions 1, 2 and 3 at the end of this exercise*
Question 2: Enlarge each shape by the scale factor given
Use P as the centre of enlargement.

(a) Enlarge by scale factor 2

(b) Enlarge by scale factor 3

(c) Enlarge by scale factor 3

(d) Enlarge by scale factor 2
Question 3: Enlarge each shape by the scale factor given
The coordinates for each centre of enlargement are given.

(a) Enlarge by scale factor 2 using (4, -3) as the centre of enlargement
(b) Enlarge by scale factor 3 using (3, 2) as the centre of enlargement
(c) Enlarge by scale factor 2 using (0, -1) as the centre of enlargement
(d) Enlarge by scale factor 2 using the origin as the centre of enlargement
Question 4: Describe fully the single transformation that takes shape A to shape B.

(a) 
(b) 
(c) 
(d)
Question 1:
(a) 
(b) 
(c) 
(d) 
(e) 
(f)
Question 2: (a)

(b)

(c)

(d)

Enlargements: Centre of Enlargement
Video 104a on www.corbettmaths.com

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Enlargements: Centre of Enlargement

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Question 3:  

(a) ![Graph](image1)

(b) ![Graph](image2)

(c) ![Graph](image3)

(d) ![Graph](image4)