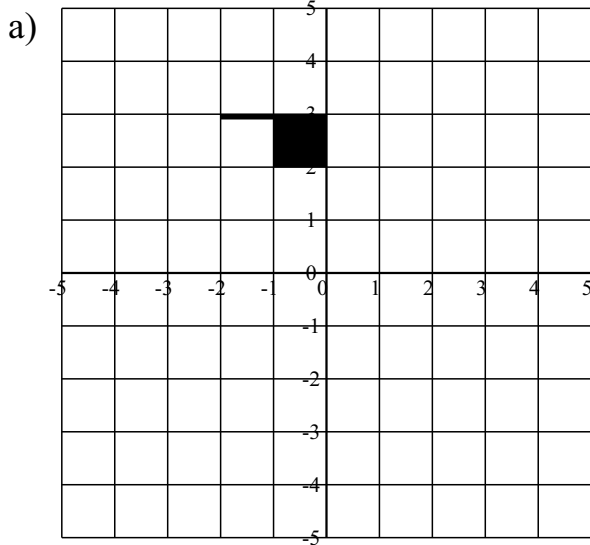


Name:

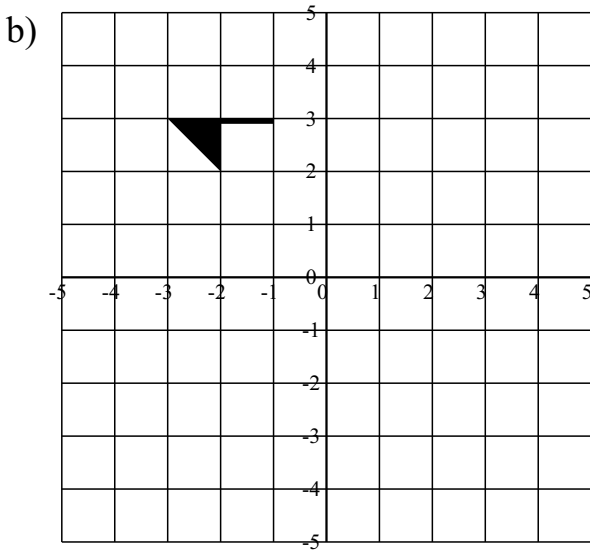
Class/Set:

Enlargements

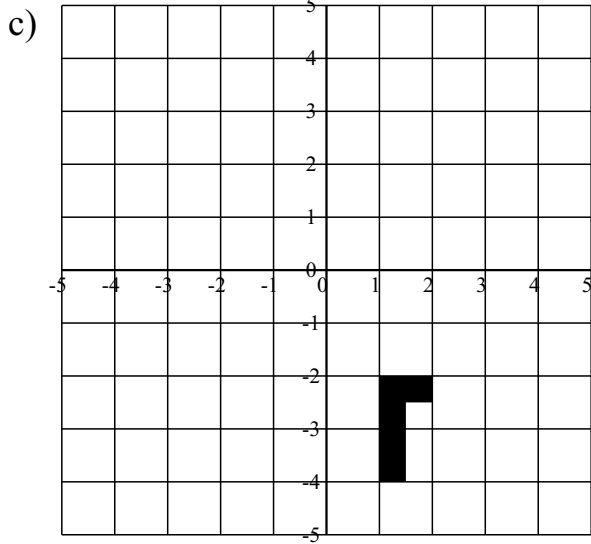
1: Transform the following shapes:



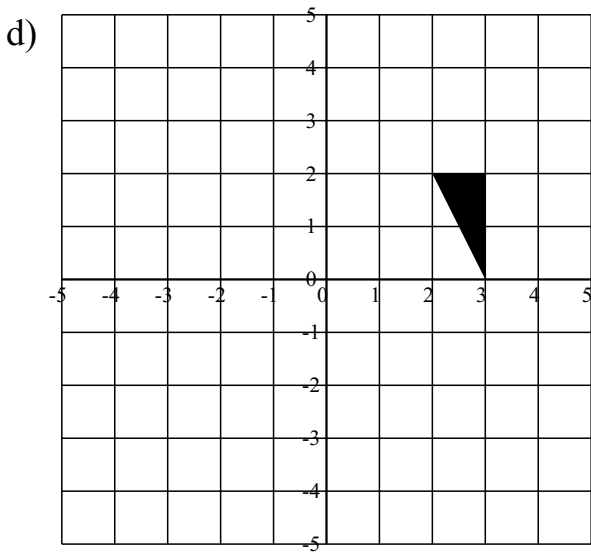
Enlarge with scale factor 3, centre $(-2, 4)$



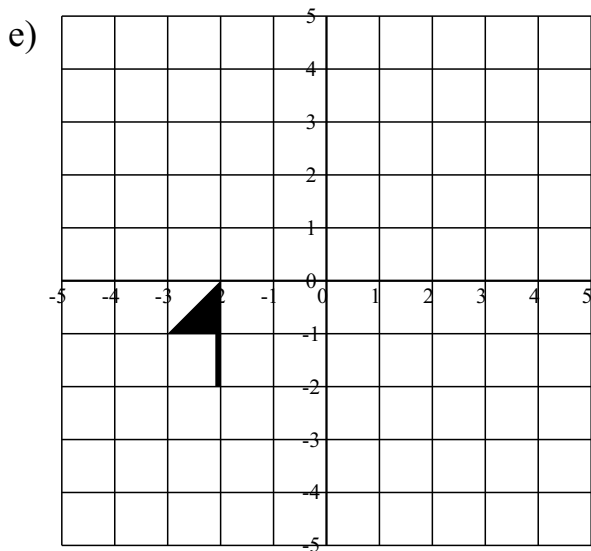
Enlarge with scale factor 4, centre $(-3, 3)$



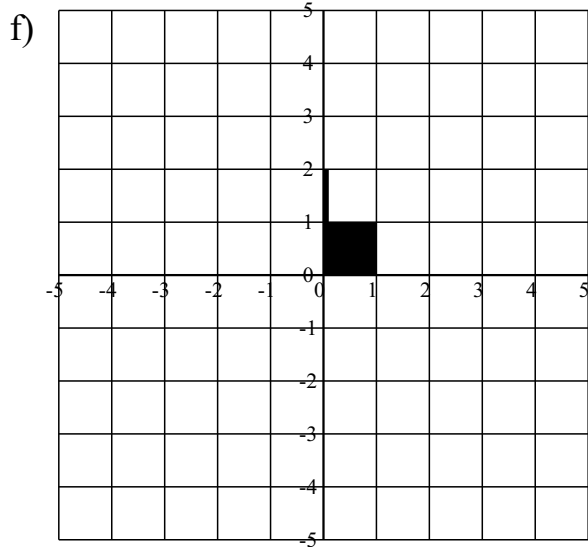
Enlarge with scale factor 2, centre $(0, -4)$



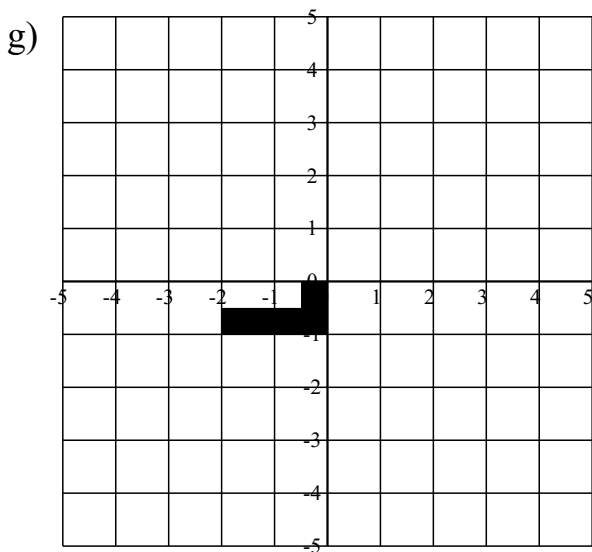
Enlarge with scale factor 2, centre $(4, 1)$



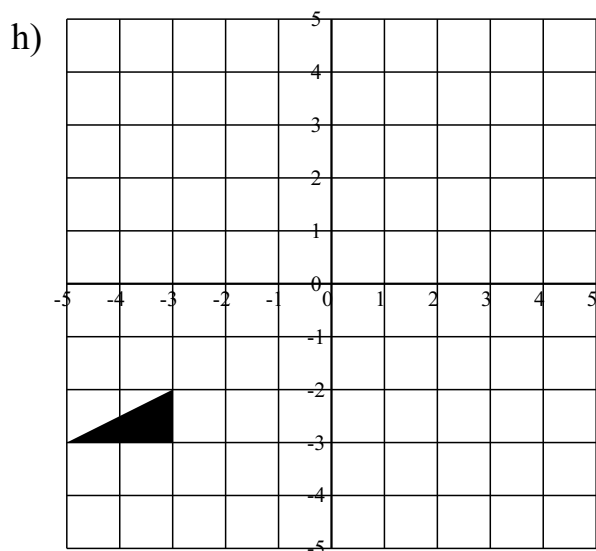
Enlarge with scale factor 4, centre $(-4, -1)$



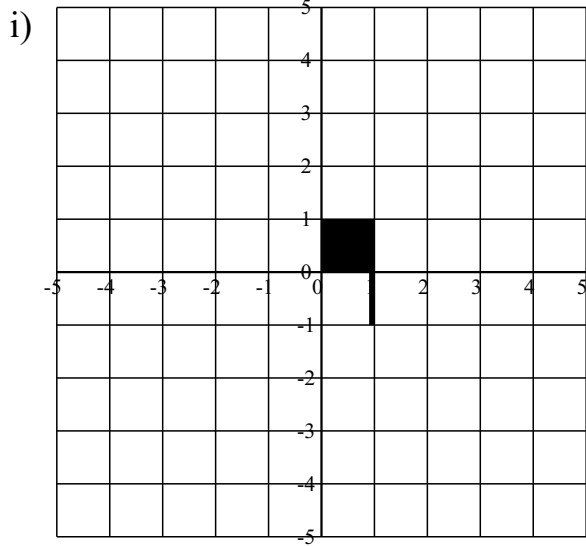
Enlarge with scale factor 3, centre $(0, 1)$



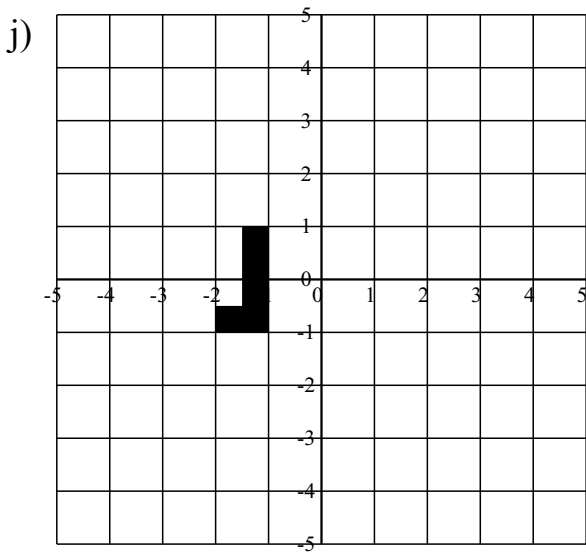
Enlarge with scale factor 2, centre $(-1, -2)$



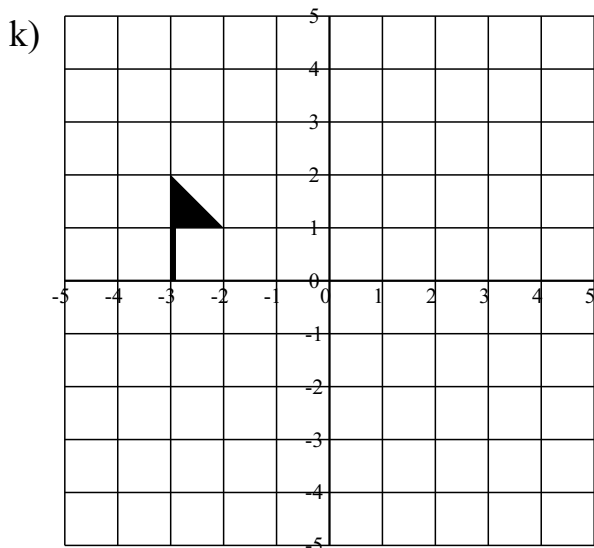
Enlarge with scale factor 4, centre $(-5, -4)$



Enlarge with scale factor 3, centre (2, 1)

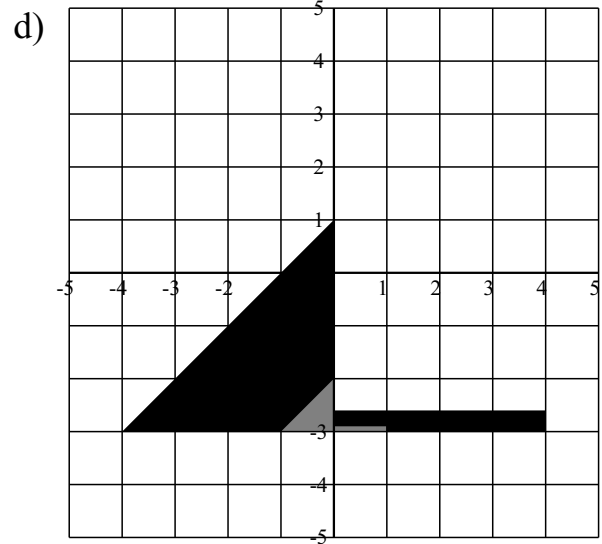
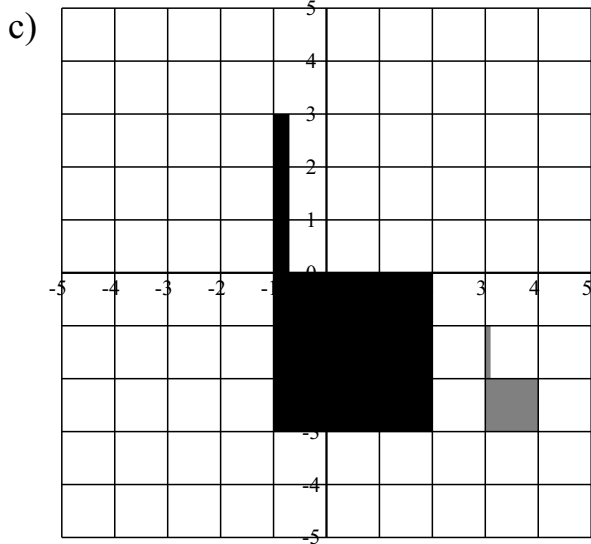
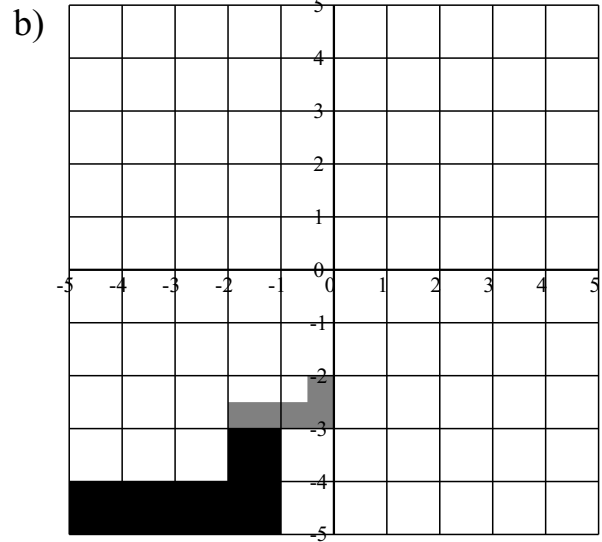
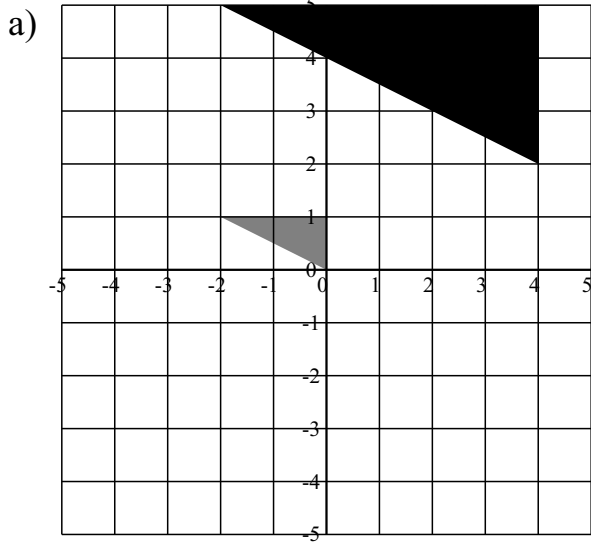


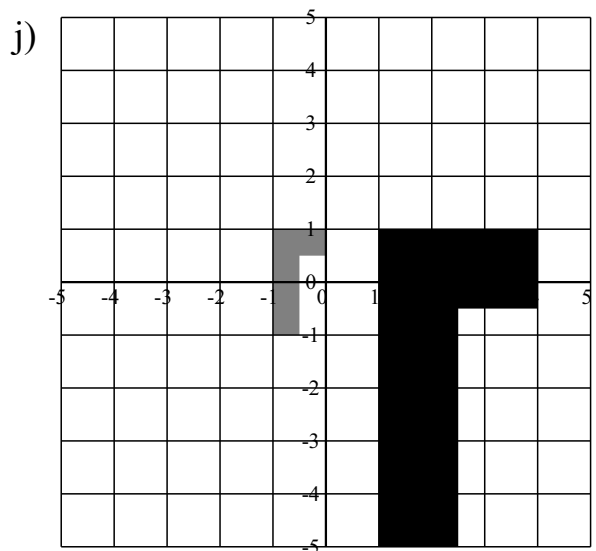
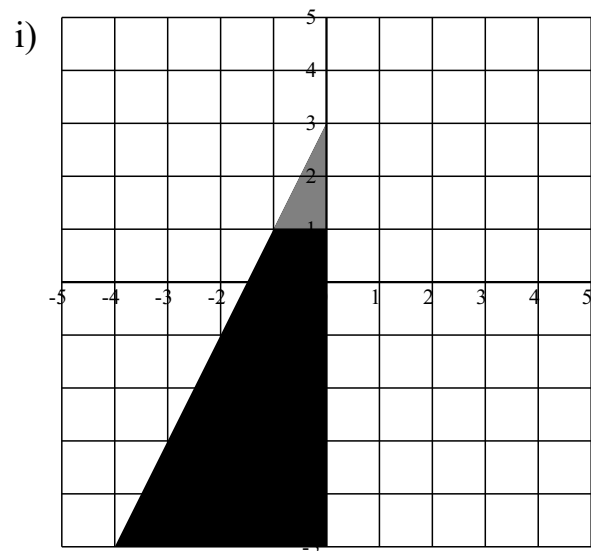
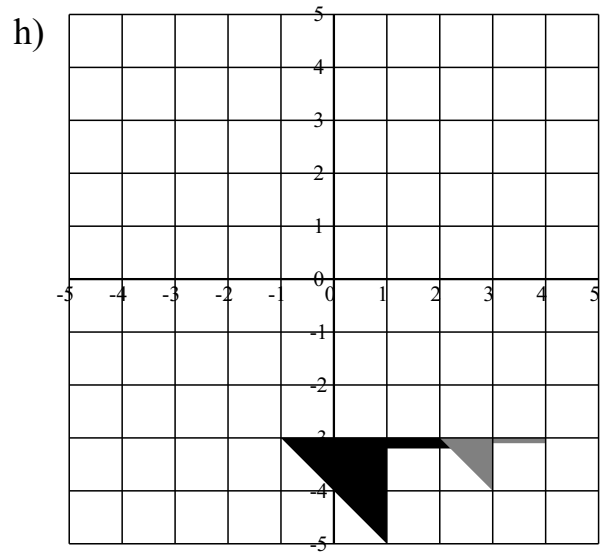
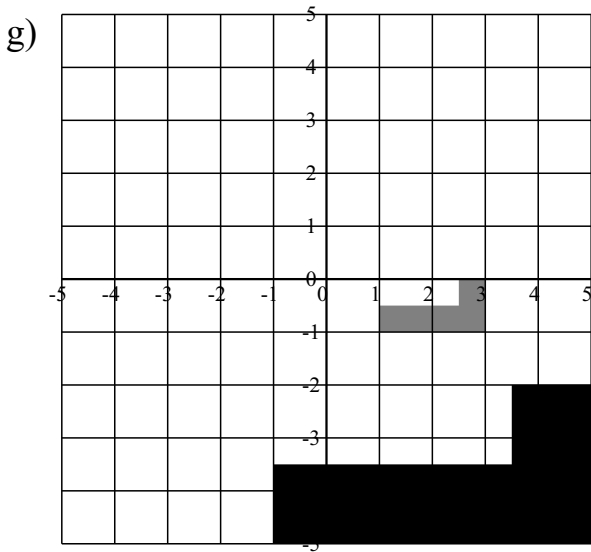
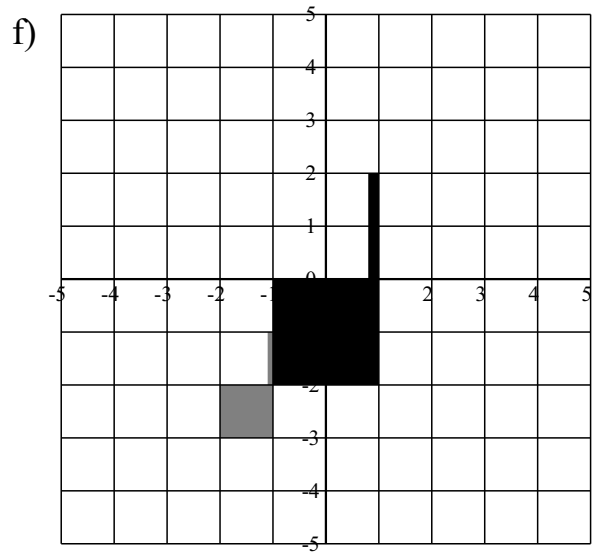
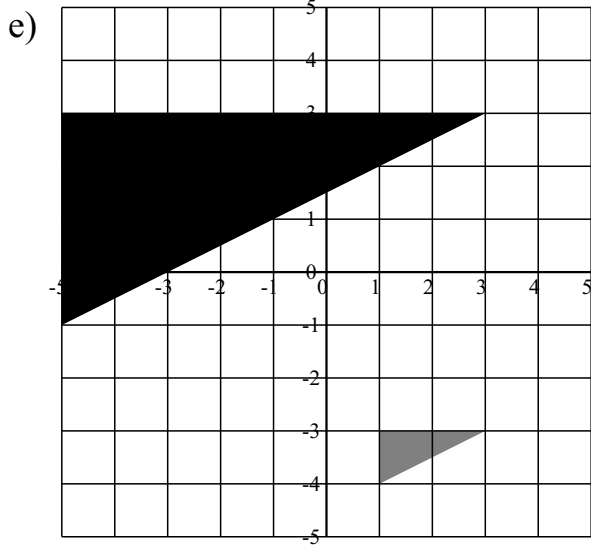
Enlarge with scale factor 4, centre (-3, 0)



Enlarge with scale factor 2, centre (-1, 3)

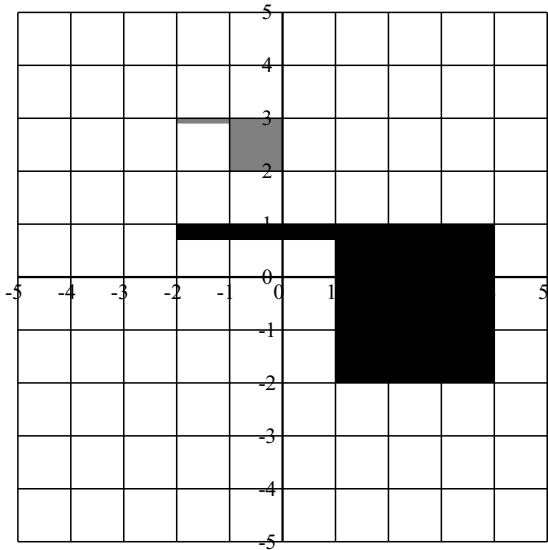
2: What transformation moves the grey shape onto the black shape?



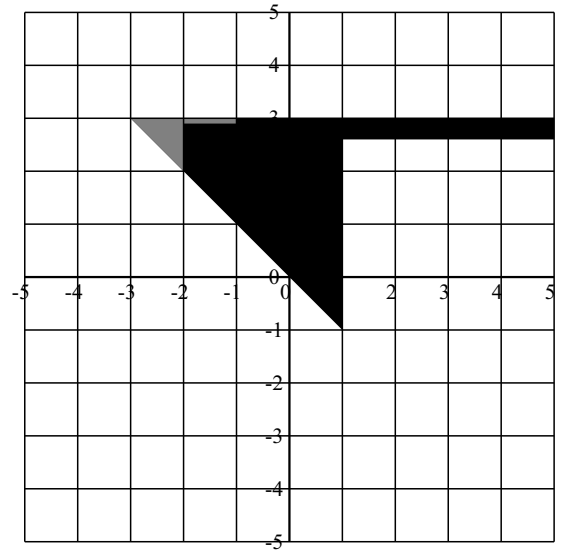


Answers: Enlargements

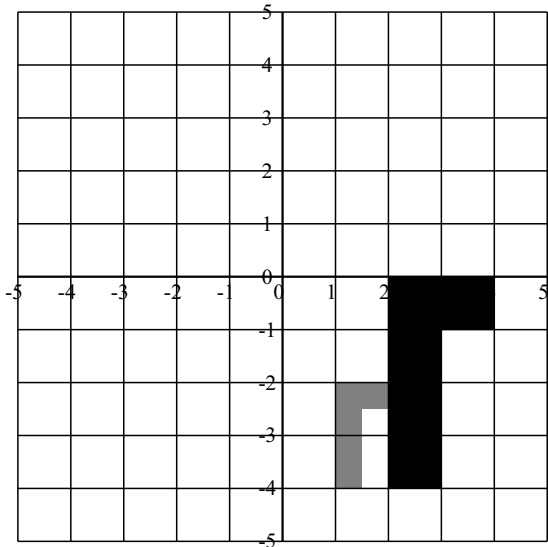
1: a)



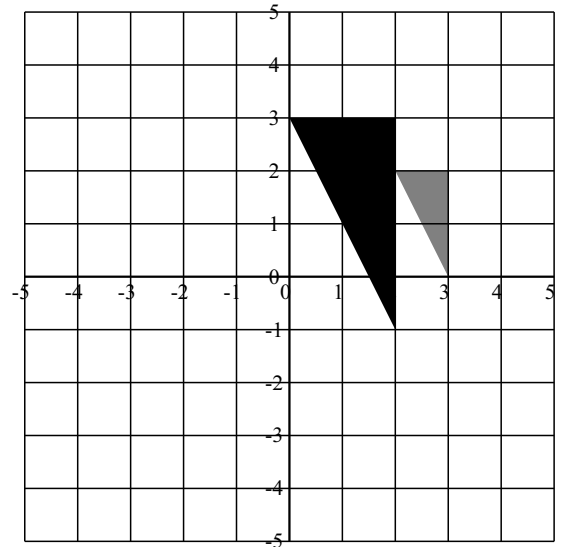
b)



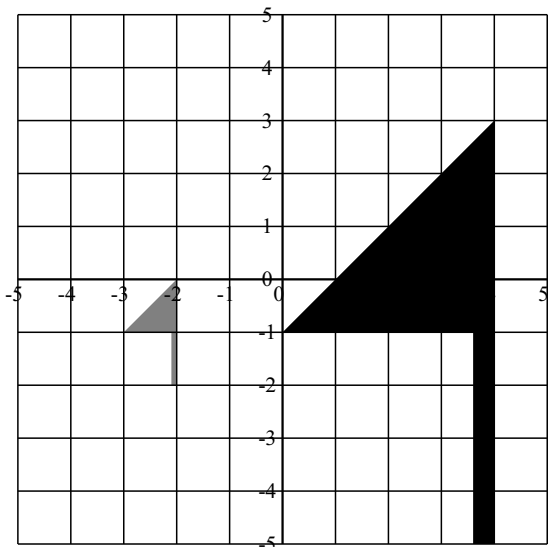
c)



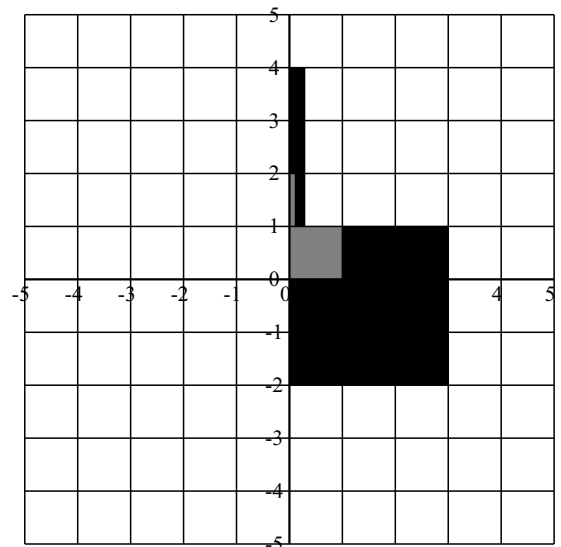
d)

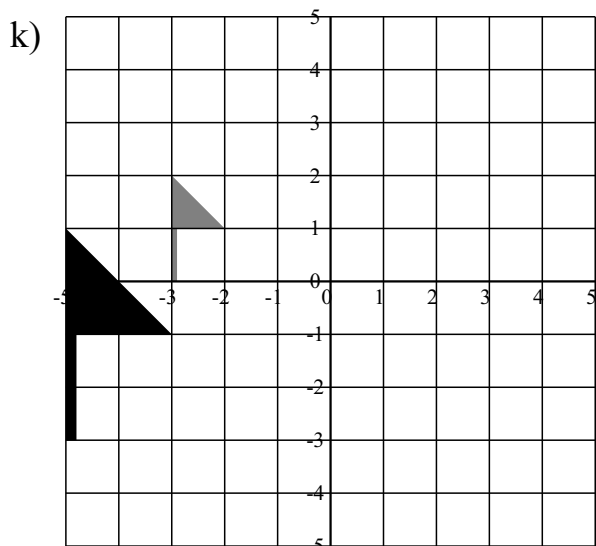
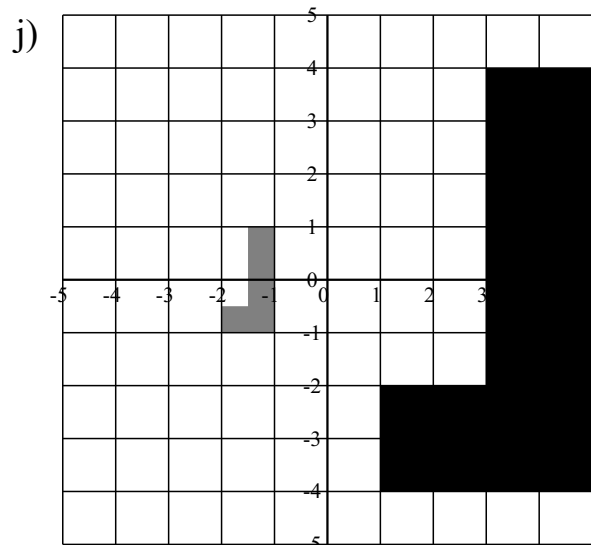
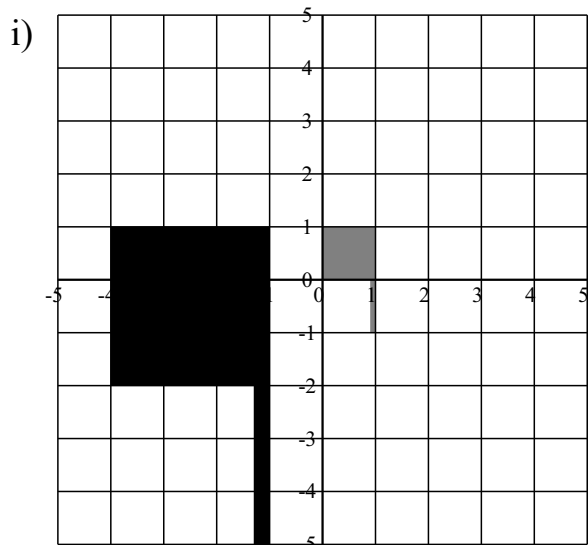
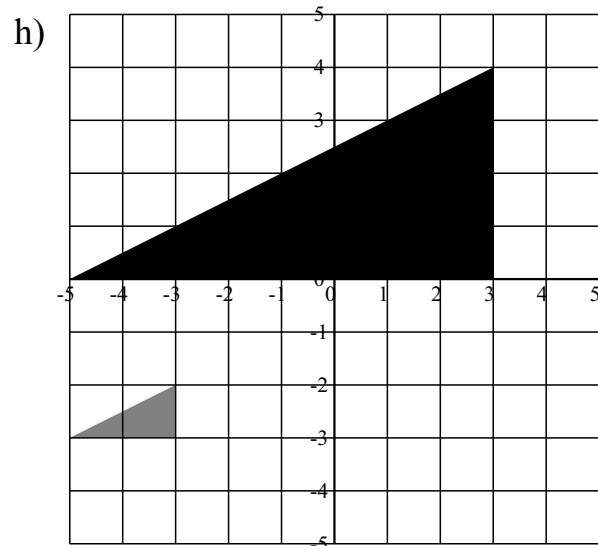
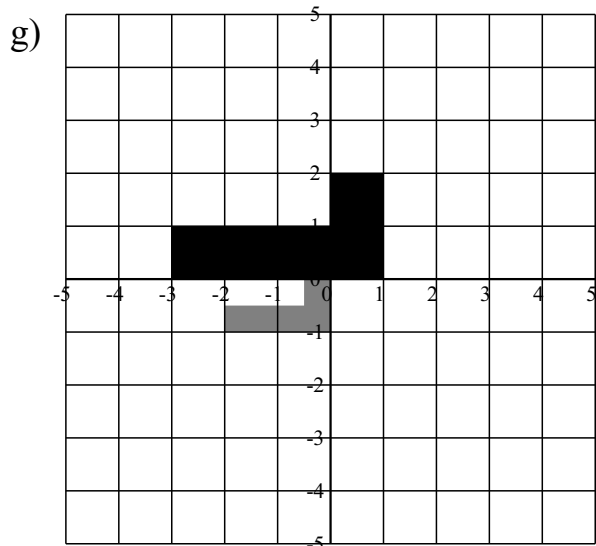


e)



f)





- 2:
- a) Enlargement with scale factor 3, centre $(-2, -1)$
 - b) Enlargement with scale factor 2, centre $(1, -1)$
 - c) Enlargement with scale factor 3, centre $(5, -3)$
 - d) Enlargement with scale factor 4, centre $(0, -3)$
 - e) Enlargement with scale factor 4, centre $(3, -5)$

- f) Enlargement with scale factor 2, centre $(-3, -4)$
- g) Enlargement with scale factor 3, centre $(2, 1)$
- h) Enlargement with scale factor 2, centre $(5, -3)$
- i) Enlargement with scale factor 4, centre $(0, 3)$
- j) Enlargement with scale factor 3, centre $(-2, 1)$