

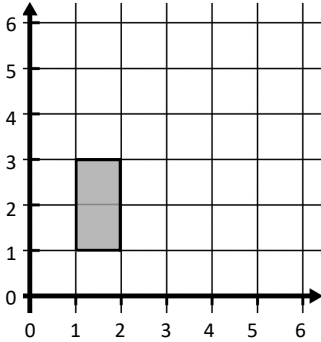
# Enlargement from a point (negative scale factor)



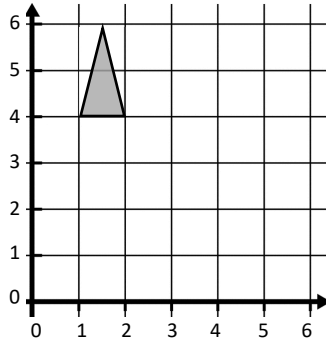
Name: \_\_\_\_\_



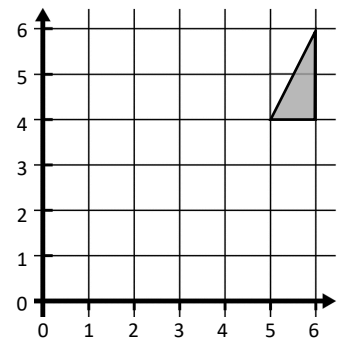
a) Enlarge the shape by a scale factor of  $-1$  from the point  $(3,3)$



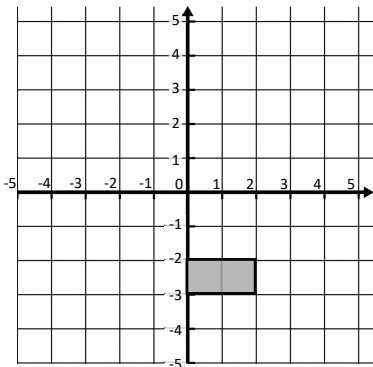
b) Enlarge the shape by a scale factor of  $-1$  from the point  $(3,4)$



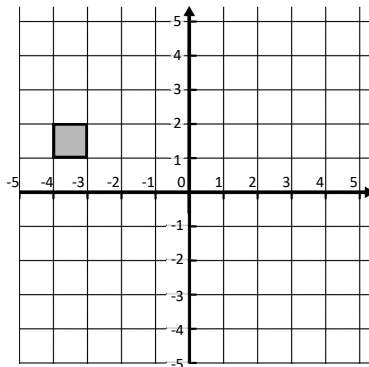
c) Enlarge the shape by a scale factor of  $-1$  from the point  $(3,3)$



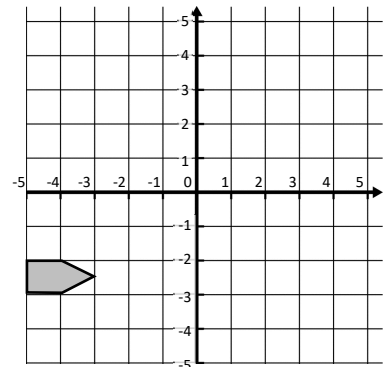
d) Enlarge the shape by a scale factor of  $-2$  from the point  $(1,-1)$



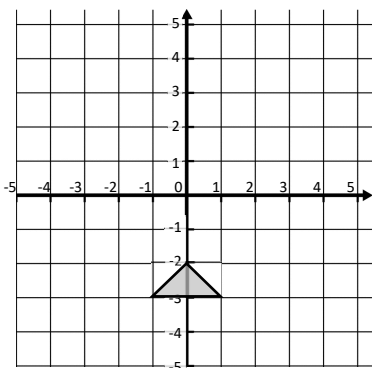
e) Enlarge the shape by a scale factor of  $-3$  from the point  $(-2,1)$



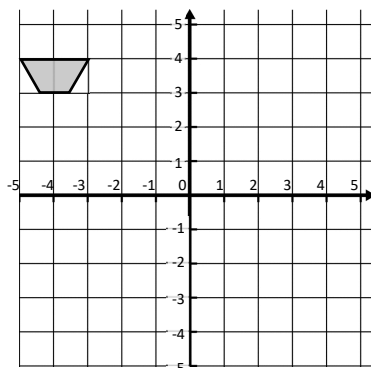
f) Enlarge the shape by a scale factor of  $-2$  from the point  $(-2,-2)$



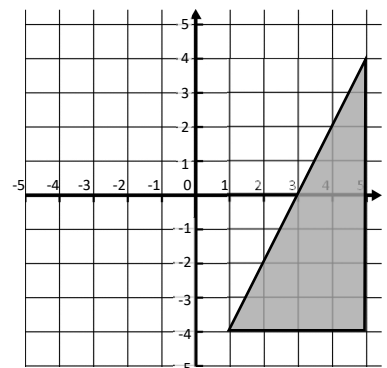
g) Enlarge the shape by a scale factor of  $-2$  from the point  $(0,-1)$



h) Enlarge the shape by a scale factor of  $-4$  from the point  $(-3,3)$



i) Enlarge the shape by a scale factor of  $-\frac{1}{2}$ , from the point  $(-1,0)$



**Exam question:**

Enlarge the shape by a scale factor of  $-2$  from the point  $(2,0)$

