

Enlargement from a point (positive scale factor)

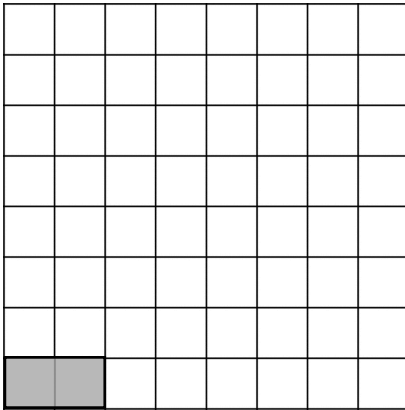


Name: _____

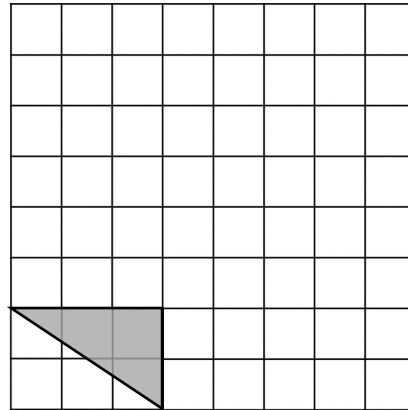


For questions a, b and c, enlarge the shape by the given scale factors (anywhere on the grid):

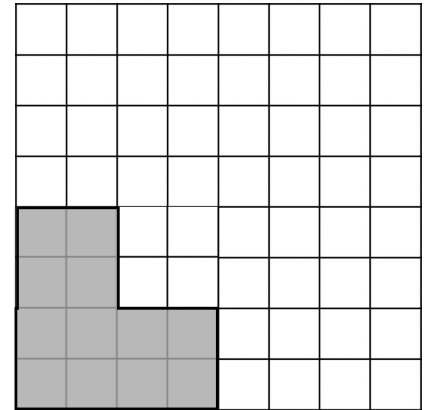
a) Scale Factor of 3



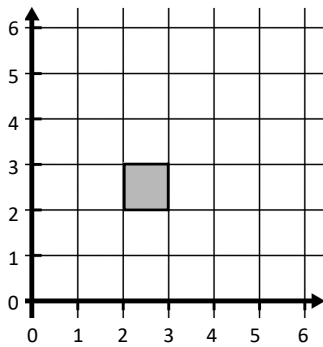
b) Scale Factor of 2



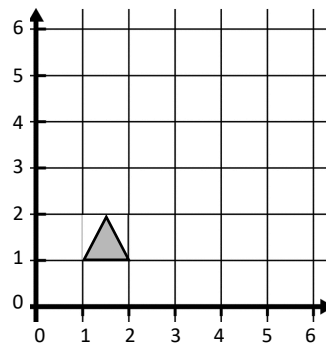
c) Scale Factor of $\frac{1}{2}$



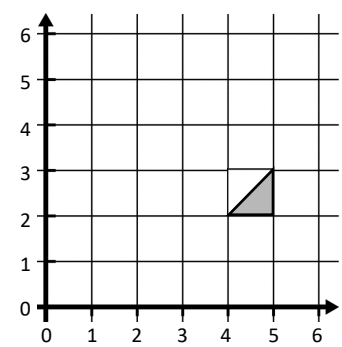
c) Enlarge the shape by a scale factor of 2 from the point (1,1)



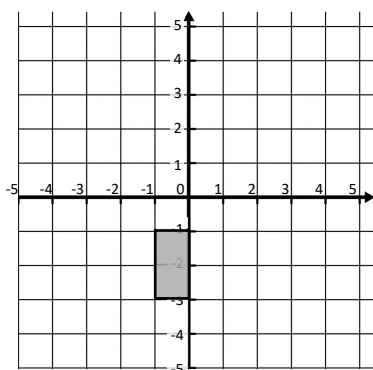
d) Enlarge the shape by a scale factor of 3 from the point (0,0)



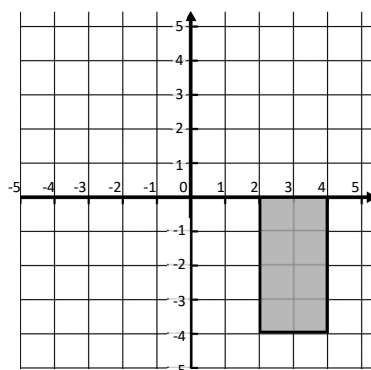
e) Enlarge the shape by a scale factor of 2 from the point (6,1)



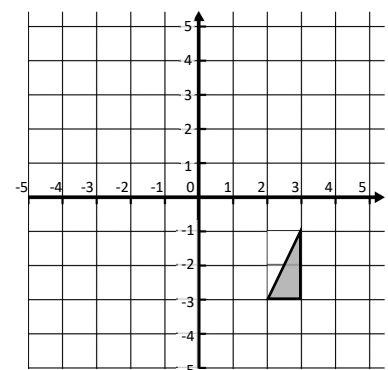
f) Enlarge the shape by a scale factor of 2 from the point (-2,-2)



g) Enlarge the shape by a scale factor of $\frac{1}{2}$ from the point (-4,4)



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



Exam question:

Enlarge the shape shown in the diagram by a scale factor of $\frac{1}{2}$ from the point (-2,3).

