

Dilations Practice A

Graph then dilate the figures by their scale factor. Graph and write the coordinates of the dilated figure.

A B C D

1) Square with coordinates $(0,0)$ $(0,2)$ $(2,2)$ $(2,0)$. Scale factor = 3

A B C

2) Triangle with coordinates $(2,4)$ $(2,1)$ $(6,4)$. Scale factor = 2

A B C D

3) Polygon with coordinates $(1,1)$ $(2,3)$ $(4,3)$ $(5,1)$. Scale factor = 1.5

A B C D

4) Square with coordinates $(1,1)$ $(-1,1)$ $(-1,-1)$ $(1,-1)$. Scale factor is 4

A B C

5) Triangle with coordinates $(-1,2)$ $(-1,-1)$ $(3,-1)$. Scale factor is 2

A B C D

6) Polygon with coordinates $(1,1)$ $(-4,1)$ $(-3,-1)$ $(0,-1)$. Scale factor is 3.