Mathematics: Specialist Units 1 & 2 - ClassPad activities $$^{\odot}$$ Hazeldene Publishing

Activity 31 Visualising linear transformations

1. It is a dilation of scale factor 2, centre the origin.

2.

a) Dilation scale factor -2 or rotation of 180° and a dilation of sale factor 2.



d) Reflection in the line y = -x



b) Rotation 90° clockwise about the origin.



e) Rotation clockwise of 45° about the origin.



- Reflection in the x-axis

c)

f)



Reflection in the line $y = -\sqrt{3}x$

