

Answers

1) a) vertical reflection over the x-axis and vertical stretch bafo 4 ($-4y$)

b) horizontal compression bafo $\frac{1}{3}$ ($\frac{x}{3}$)

c) vertical compression bafo $\frac{1}{2}$ ($\frac{y}{2}$), horizontal relection over the y-axis ($-x$)

d) vertical reflection over the x-axis and vertical compression bafo $\frac{1}{3}$ ($\frac{y}{-3}$), horizontal stretch bafo 2 ($2x$), phase shift left 1 unit ($x - 1$)

e) vertical stretch bafo 5 ($5y$), horizontal reflection over the y-axis and horizontal compression bafo $\frac{1}{2}$ ($\frac{x}{-2}$), phase shift right 4 units ($x + 4$)

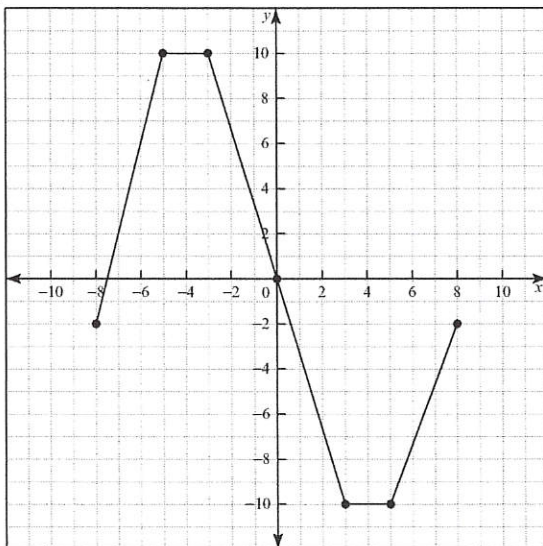
f) vertical reflection over the x-axis and vertical stretch bafo 2 ($-2y$), horizontal compression bafo $\frac{1}{8}$ ($\frac{x}{8}$), shift up 4 units ($y + 4$)

h) vertical reflection over the x-axis and vertical compression bafo $\frac{1}{4}$ ($\frac{y}{-4}$), horizontal reflection over the y-axis and horizontal compression bafo $\frac{1}{3}$ ($\frac{x}{-3}$), phase shift right 1 unit ($x + 1$), shift down 5 units ($y - 5$)

i) vertical stretch bafo 4 ($4y$), horizontal reflection over the y-axis and horizontal stretch bafo 2 ($-2x$), phase shift left 2 units ($x - 2$), shift down 1 unit ($y - 1$)

Key - Intro
to Trans-
formations

2) a)



b)

