

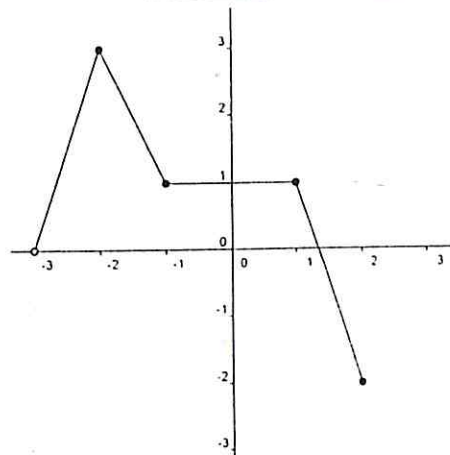
Integrated Algebra 2
Unit: Transformations
Vertical Stretching/Compressing Worksheet #2

Name: _____

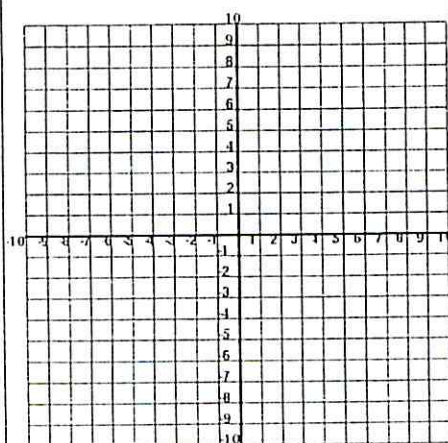
Date: _____

1. Use the graph of the elementary, or arbitrary, function $y = h(x)$ below.

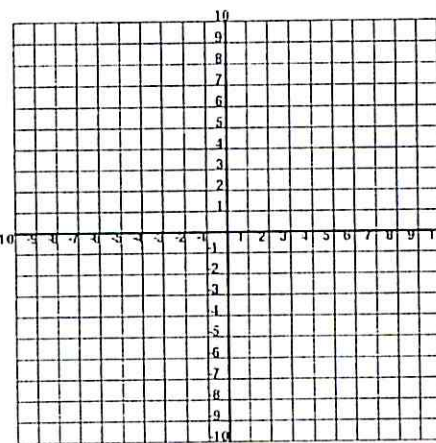
- (i) State the transformation(s).
(ii) Sketch an accurate graph of the transformed function. Sketch each graph on its own set of coordinate axes.



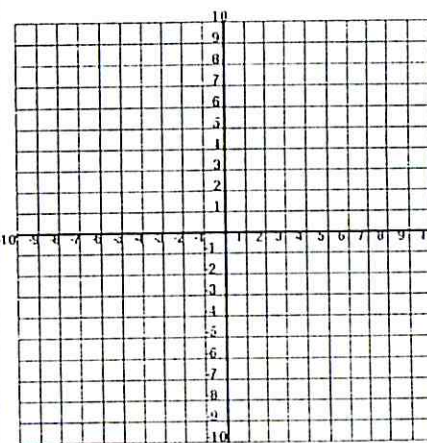
a. $y = 2h(x)$



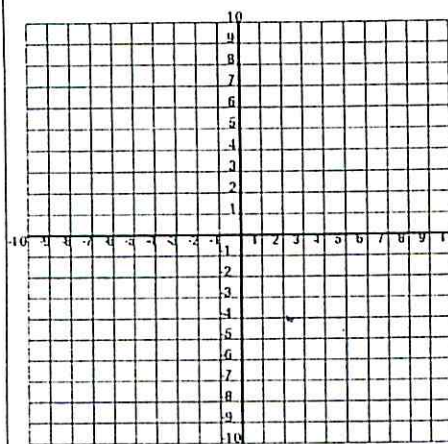
b. $y = 2h(x - 3) + 2$



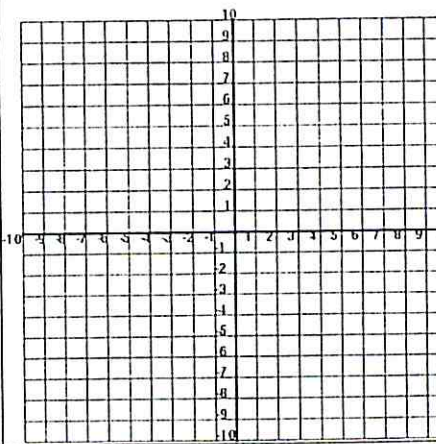
c. *** $y = -2h(x + 1)$



d. $y = \frac{1}{2}h(x)$



e. $y = \frac{1}{2}h(x) - 1$



f. $y = h(x - 1) + 3$

