

3.3 Transformations

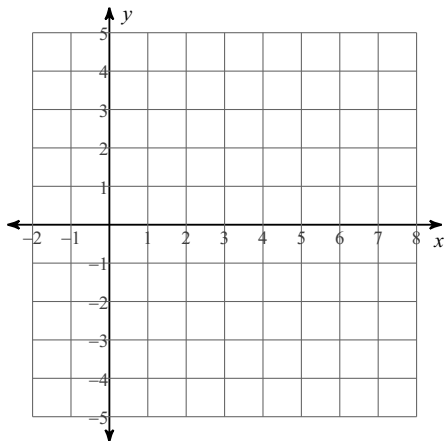
For each of the following:

a) Sketch the graph of the parent function

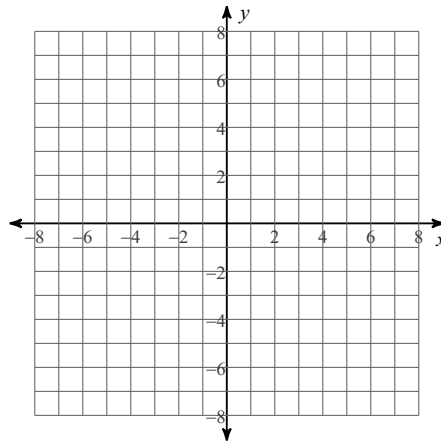
b) Sketch the graph of the transformed function

c) State the transformations

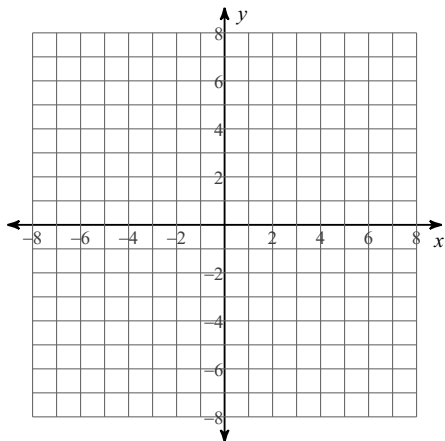
1) $f(x) = -2(x - 3)^2 + 4$



2) $y = 3\sqrt{x - 1}$

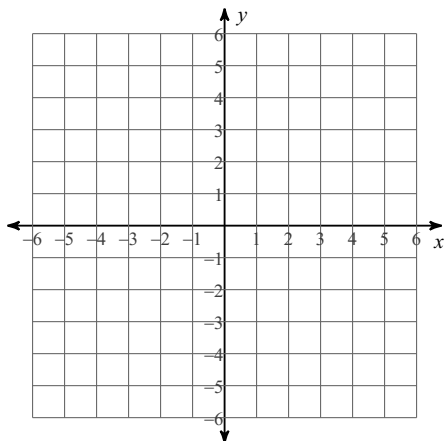


3) $y = \sqrt{x} + 2$



4) $g(x) = 2(x - 2)^3 - 5$

5) $y = |x - 2| + 1$



6) $y = \frac{2}{3}x - 3$

