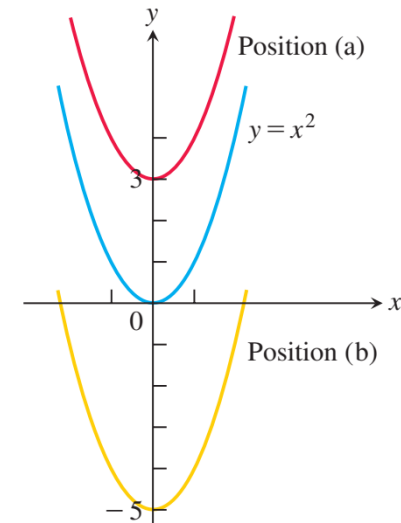# Exercise 24

The accompanying figure shows the graph of $y = x^2$ shifted to two new positions. Write equations for the new graphs.

Solution

Adding 3 to x^2 shifts the graph up by 3 units, and subtracting 5 from x^2 shifts the graph down by 5 units.