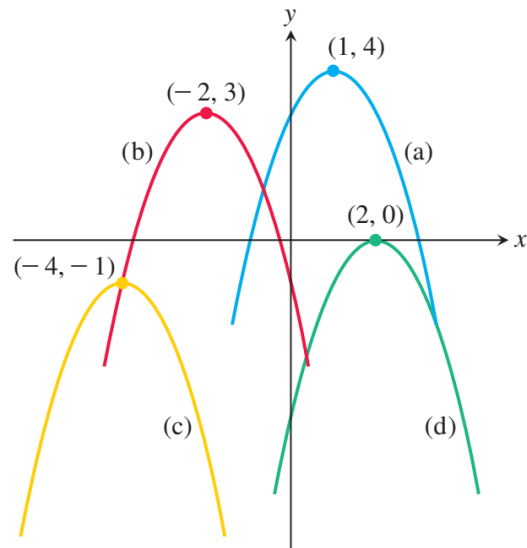


**Exercise 26**

The accompanying figure shows the graph of  $y = -x^2$  shifted to four new positions. Write an equation for each new graph.

**Solution**

(a)  $y = -(x - 1)^2 + 4$

(b)  $y = -(x + 2)^2 + 3$

(c)  $y = -(x + 4)^2 - 1$

(d)  $y = -(x - 2)^2$