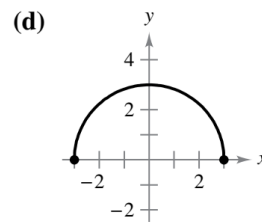## Exercise 3

In Exercises 3–6, match the equation with its graph. [The graphs are labeled (a), (b), (c), and (d).]

(a)

(b)

(c)

(d)
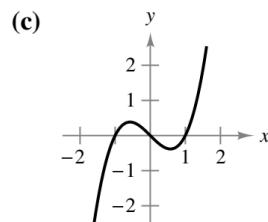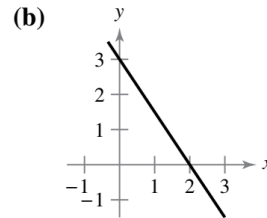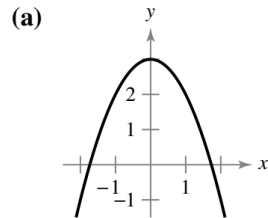
$$y = -\frac{3}{2}x + 3$$

Solution

This is the graph of a line because it's in the form $y = mx + b$. The slope is negative, so the y-value decreases as x increases.

(b)