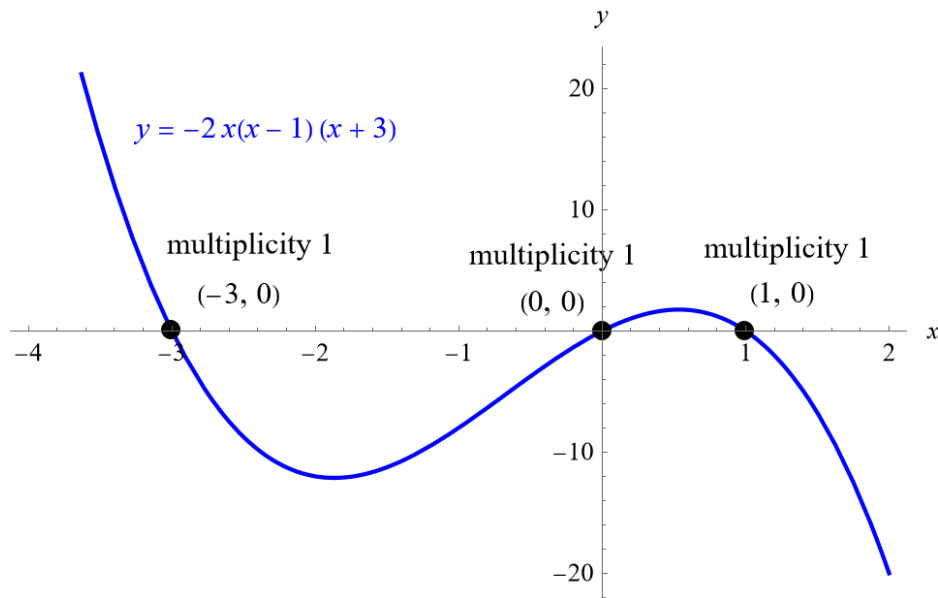## Exercise 46

For the following exercises, graph the polynomial functions. Note x- and y- intercepts, multiplicity, and end behavior.

$$m(x) = -2x(x-1)(x+3)$$

Solution

Below is a graph of the function.

The end behavior is $m(x) \to \infty$ as $x \to -\infty$ and $m(x) \to -\infty$ as $x \to \infty$.