

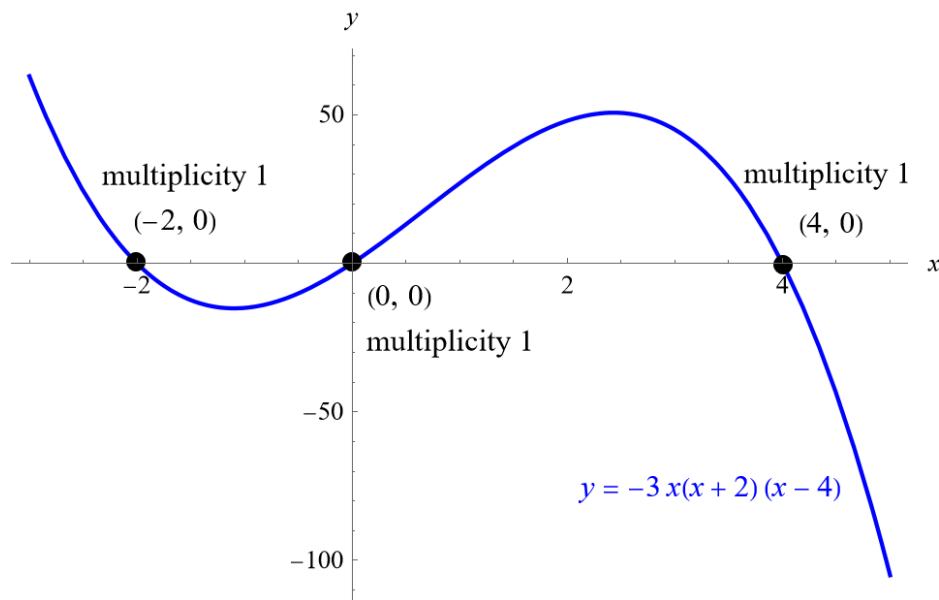
Exercise 47

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

$$n(x) = -3x(x + 2)(x - 4)$$

Solution

Below is a graph of the function.



The end behavior is $n(x) \rightarrow \infty$ as $x \rightarrow -\infty$ and $n(x) \rightarrow -\infty$ as $x \rightarrow \infty$.