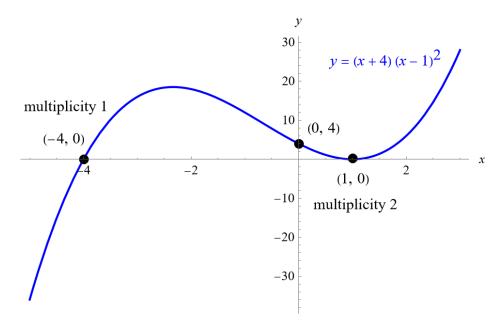
Exercise 43

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

$$g(x) = (x+4)(x-1)^2$$

Solution

Below is a graph of the function.



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