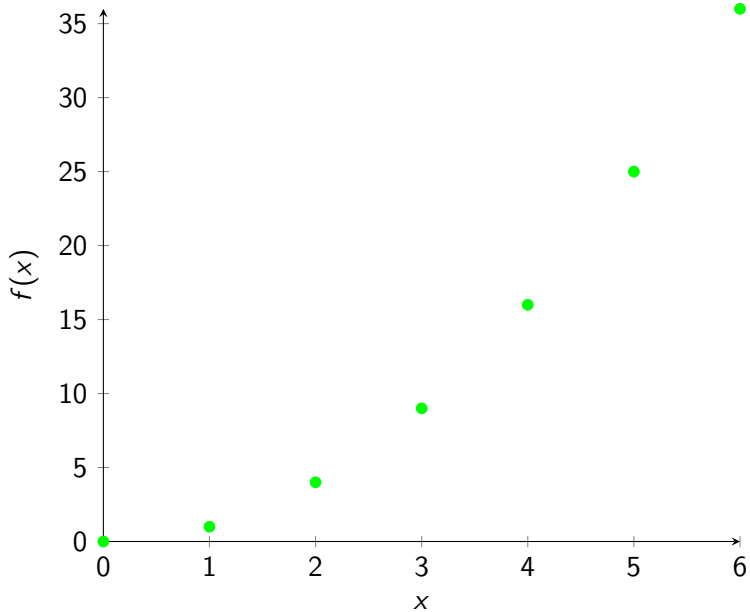
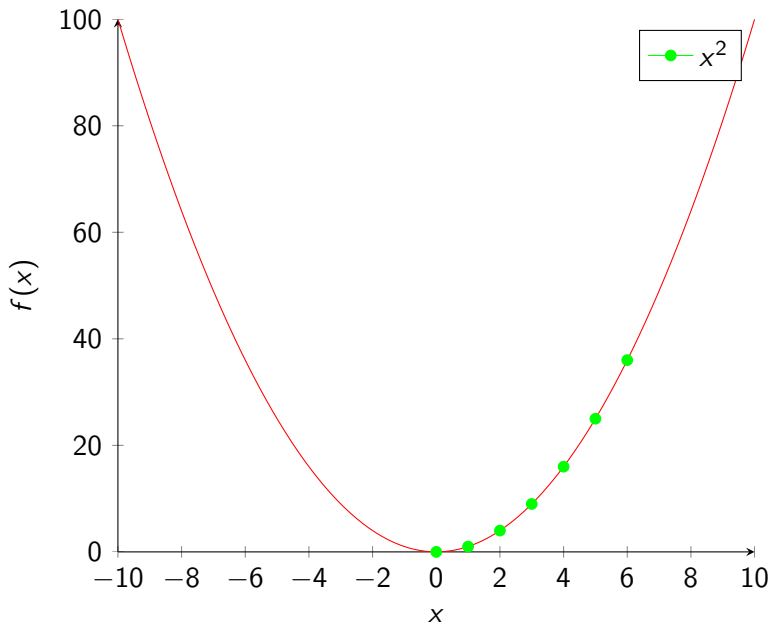


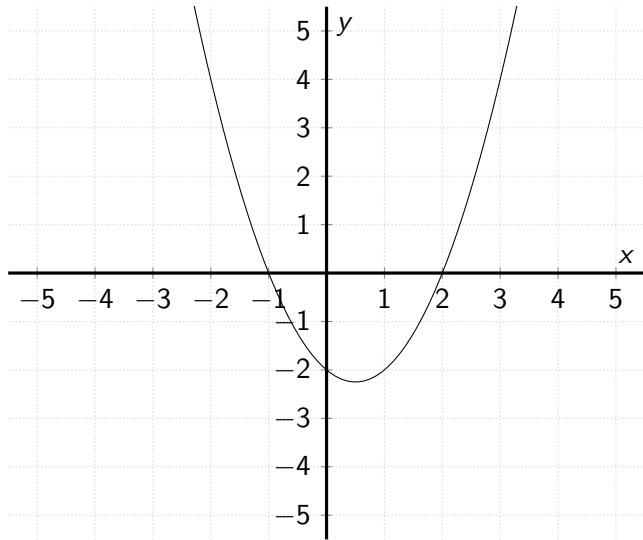
Zeroes of A Polynomial

April 27, 2020





$$x^2 - x - 2$$



$$x^2 - x - 2$$

$$\frac{x^2 - x - 2}{x - 1}$$

$$\begin{array}{rcl}
 x^2 & - & x - 2 \\
 x & & 1 \\
 \hline
 x & & -2
 \end{array}$$

$$x^2 - x - 2$$

$$x \quad 1$$

$$x \quad -2$$

$$-2x + x = -x$$

$$x^2 - x - 2$$

$$x \quad 1$$

$$x \quad -2$$

$$-2x + x = -x$$

$$(x + 1)(x - 2)$$

$$f(x) = (x + 1)(x - 2) = 0$$

$$f(x) = (x + 1)(x - 2) = 0$$

$$f(-1) = (-1 + 1)(-1 - 2)$$

$$f(x) = (x + 1)(x - 2) = 0$$

$$f(-1) = (-1 + 1)(-1 - 2) = (0)(-3) = 0$$

$$f(x) = (x + 1)(x - 2) = 0$$

$$f(-1) = (-1 + 1)(-1 - 2) = (0)(-3) = 0$$

$$f(2) = (2 + 1)(2 - 2) = 0$$

$$f(x) = (x + 1)(x - 2) = 0$$

$$f(-1) = (-1 + 1)(-1 - 2) = (0)(-3) = 0$$

$$f(2) = (2 + 1)(2 - 2) = (3)(0) = 0$$

$$x^2 - x - 2$$

