

Find the polynomial function with integer coefficients and a leading coefficient 6 that has the given degree and zeros.

Degree = 3 $\frac{4}{3}, -4, 1$

Using only algebraic methods, find the cubic function with the given table of values

x	-4	-2	0	5
f(x)	0	0	100	0

Use the Rational Zeros Theorem to write a list of all potential rational zeros and then determine which ones, if any, are zeros.

$$f(x) = 3x^3 + 11x^2 + 5x - 3$$