

Rational Zero Theorem

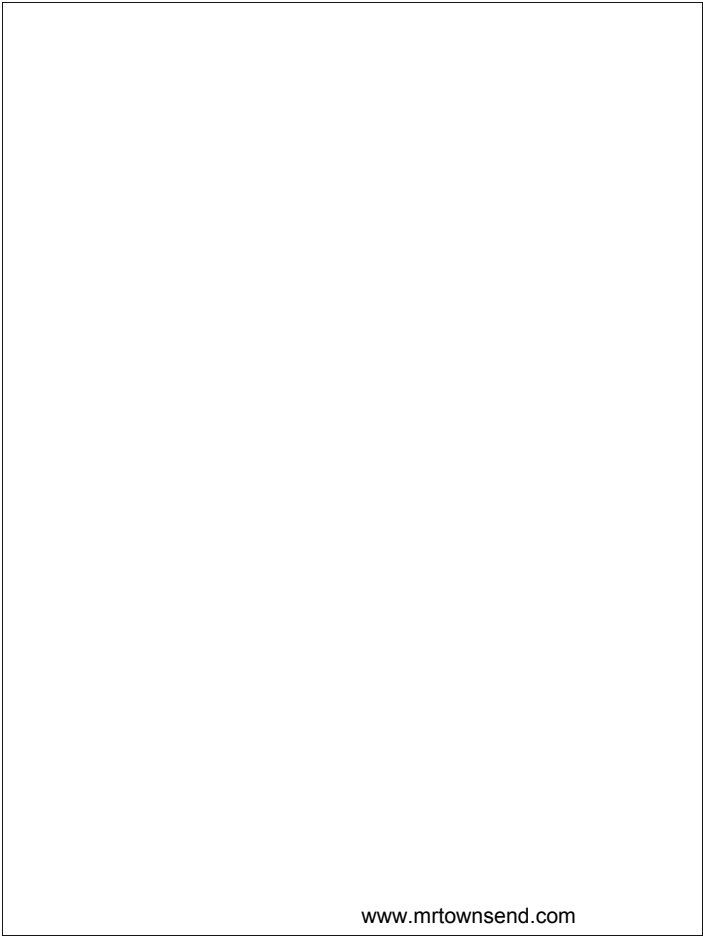
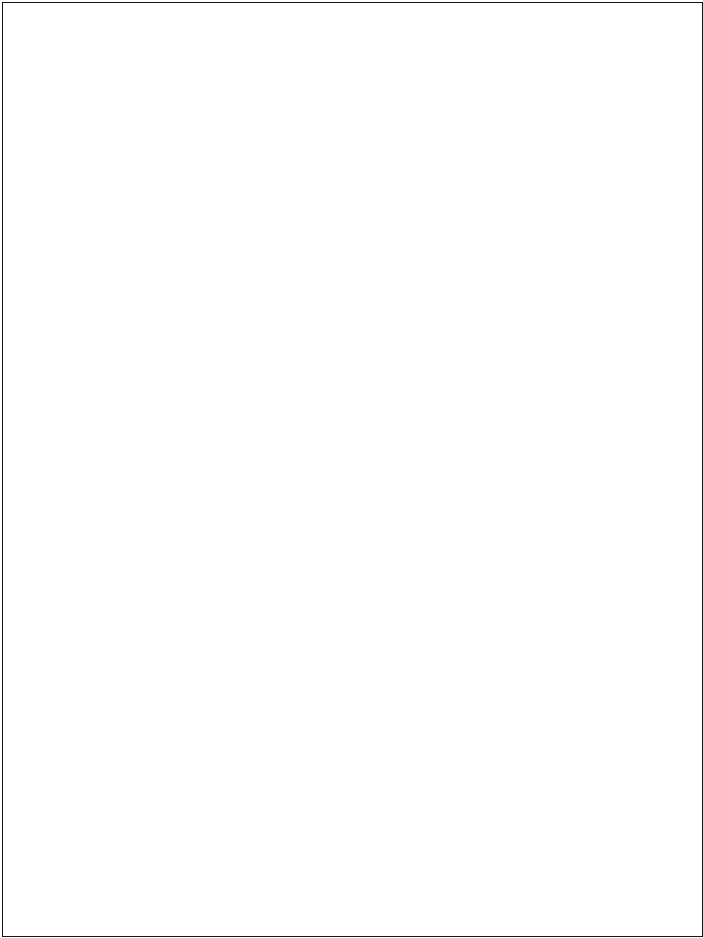
Possible rational zeros

Example:

Example:

Find all rational zeros

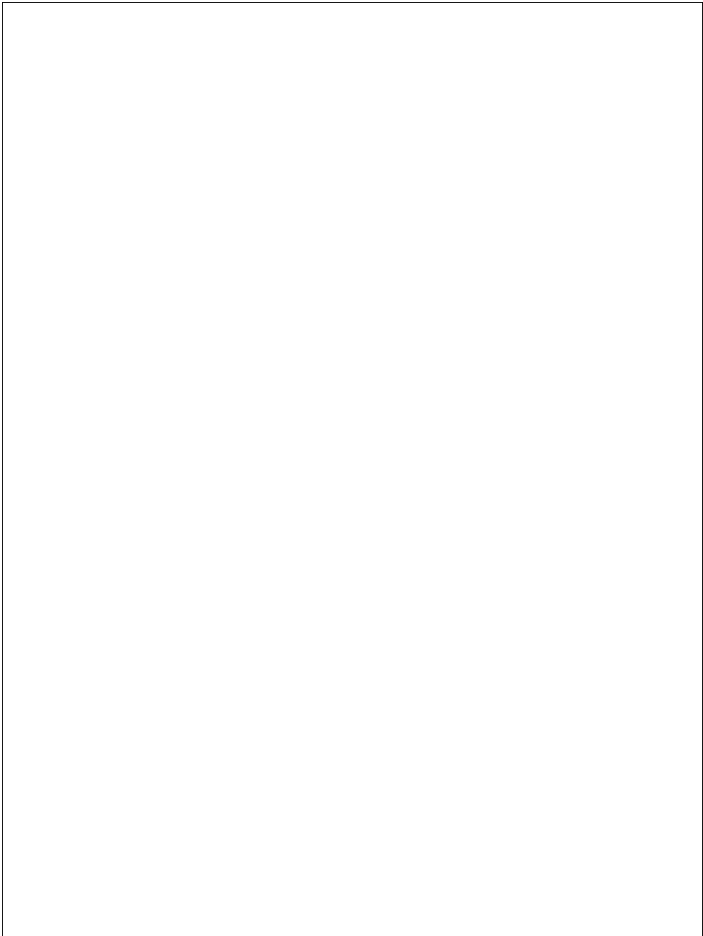
$$f(x) = 3x^3 - 5x^2 + x + 1$$



Find all rational zeros

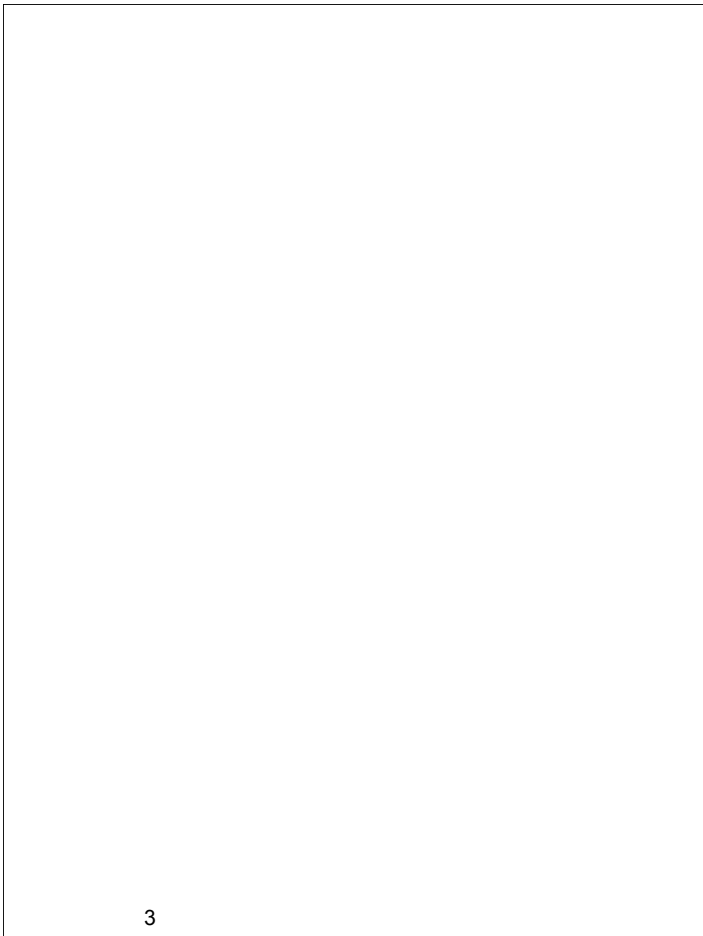
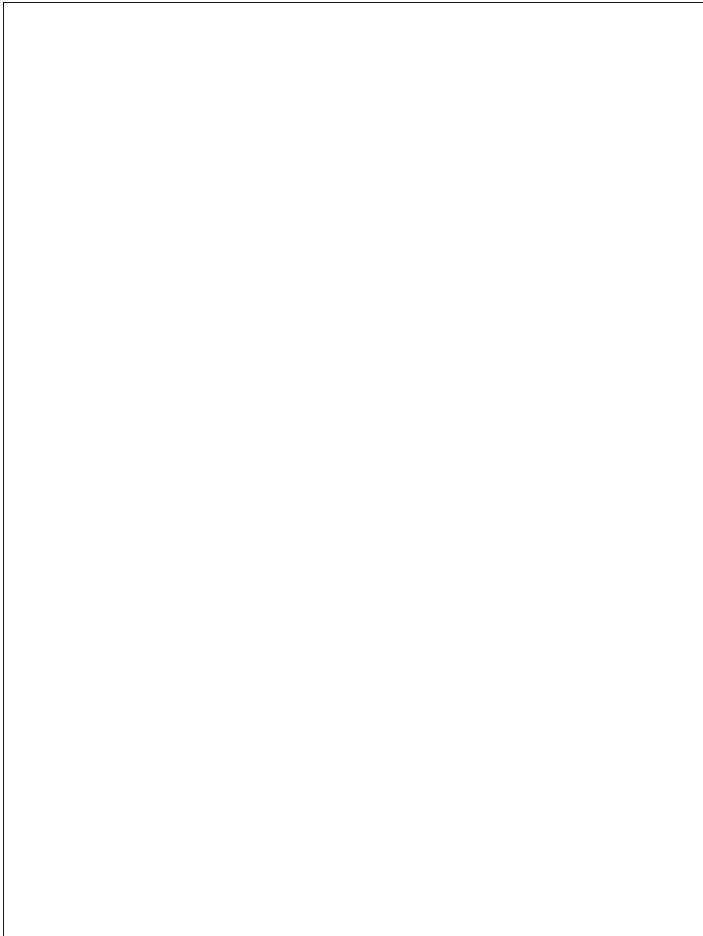
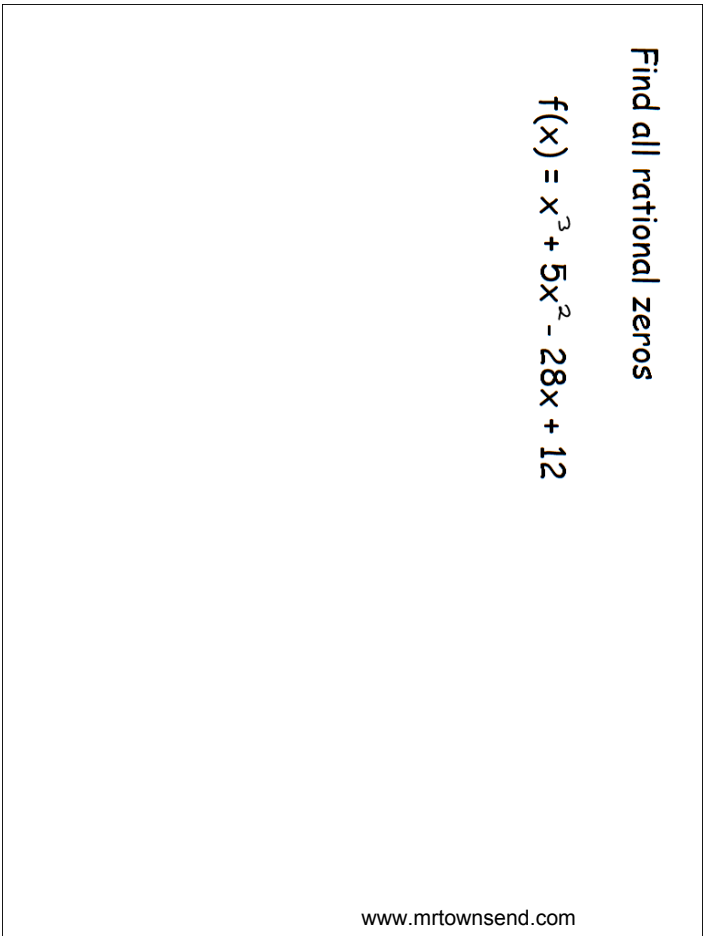
$f(x) = 2x^3 - 3x^2 + 1$

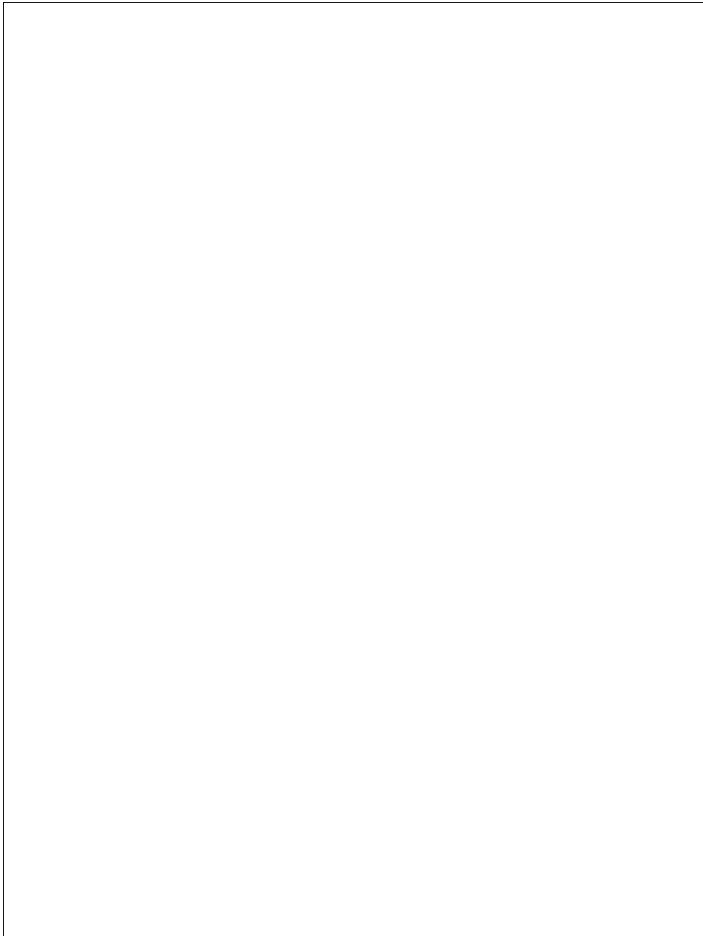
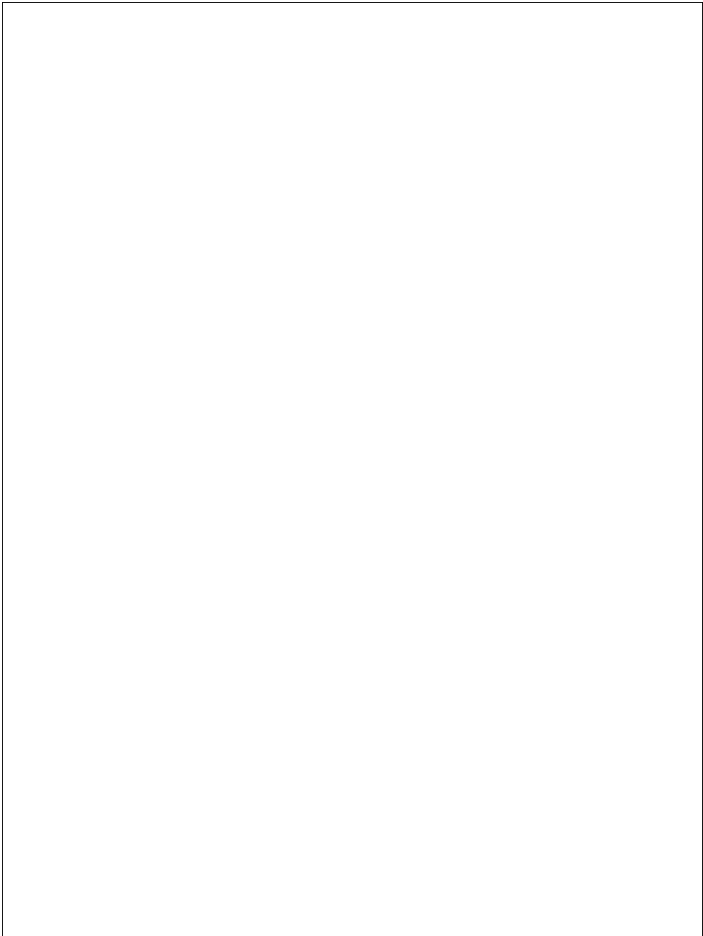
2



Find all rational zeros

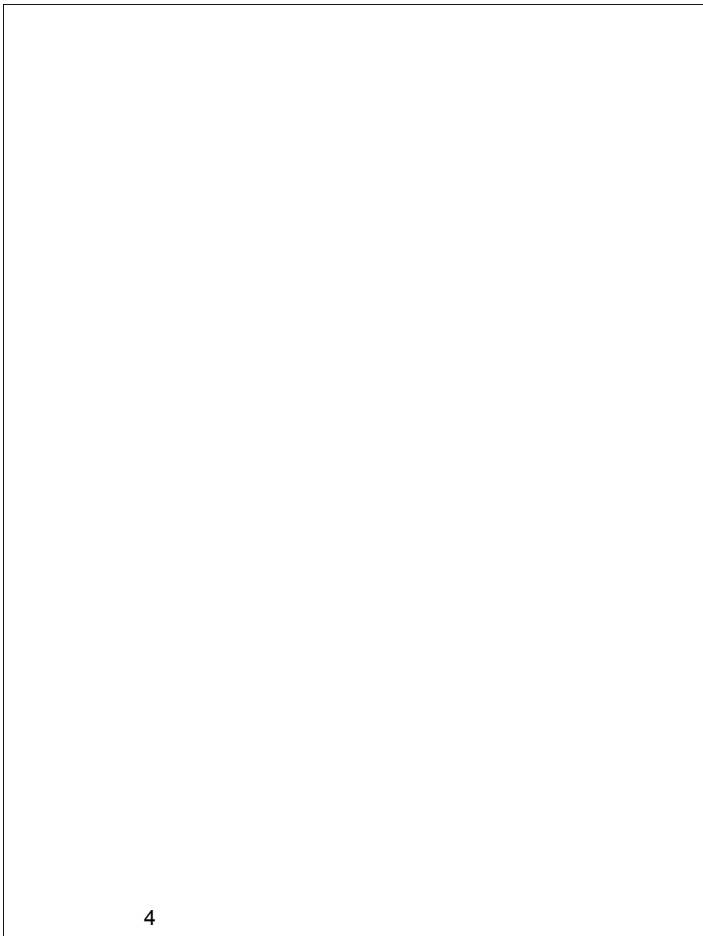
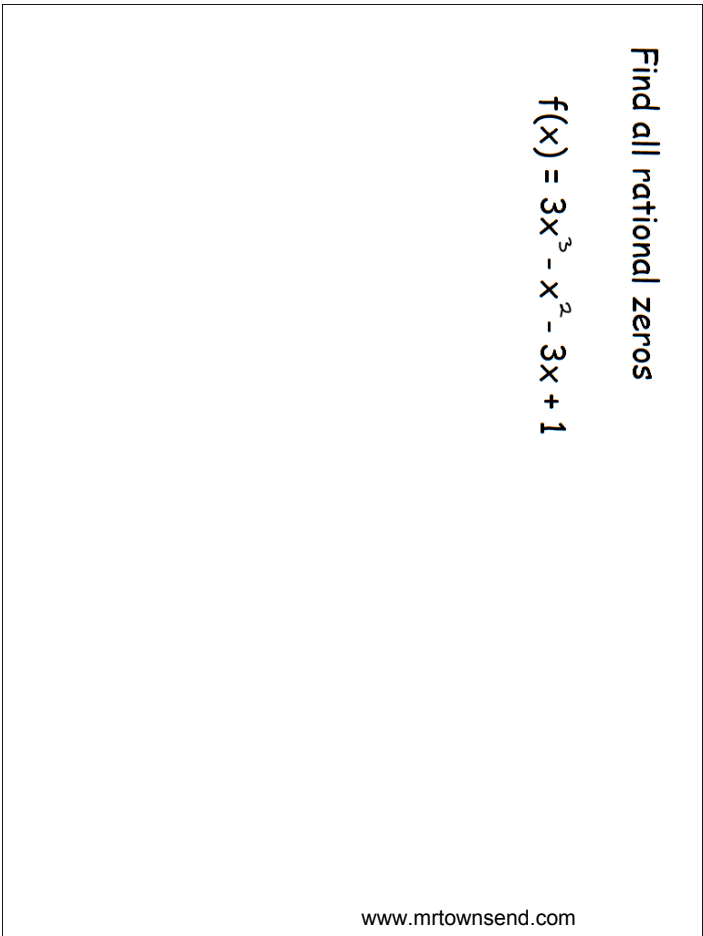
$$f(x) = x^3 + 5x^2 - 28x + 12$$





Find all rational zeros

$$f(x) = 3x^3 - x^2 - 3x + 1$$



Find all rational zeros

$$f(x) = 2x^3 + 5x^2 + 4x + 1$$