

Synthetic Substitution Practice

$$f(x) = x^3 - 7x^2 + 7x + 15$$

$$f(2) =$$

Factor using Synthetic Division

$$f(x) = x^3 - 7x^2 + 7x + 15$$

Factor using Synthetic Division

$$f(x) = 2x^3 - 11x^2 + 2x + 15$$

Factor using Synthetic Division

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

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

Show that there is an x -intercept between
 $x = -2$ and $x = -1$