

Turn up for polynomials

1-21

① Use calc to find zero (Root) } Zoom 4

$$f(x) = 6x^3 + 4x^2 - 14x + 4$$

- SYN ÷

- Then Factor/Quad Form to find other zeroes

② Same as above: $y = x^4 - 9x^3 + 11x^2 - 19x - 40$

but use SYN ÷ twice

* Zoom 6 * or Table (x, 10)

③ $y = x^3 - 3x - 52$ one root is $x = 4$, find others

④ Create a polynomial with roots of $-2, 1+i, 1-i$