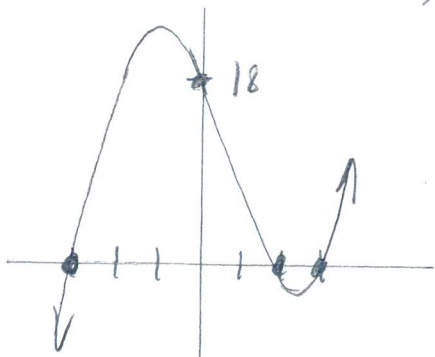


AC Math 2
Graphing Polynomials 2

Graph the following polynomials.

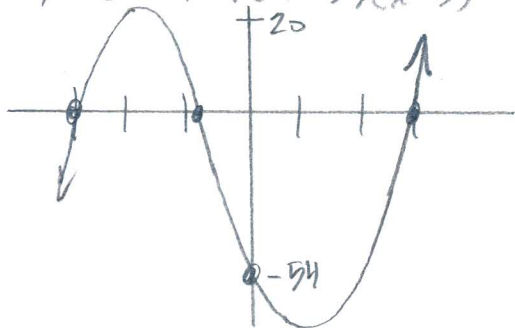
1. $y = x^3 - 2x^2 - 9x + 18$

$y = (x-2)(x+3)(x-3)$



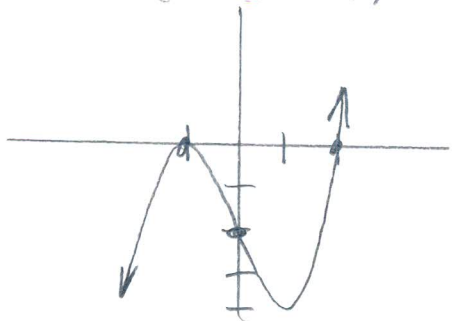
3. $y = 5x^3 + 6x^2 - 45x - 54$

$y = (5x+6)(x+3)(x-3)$



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

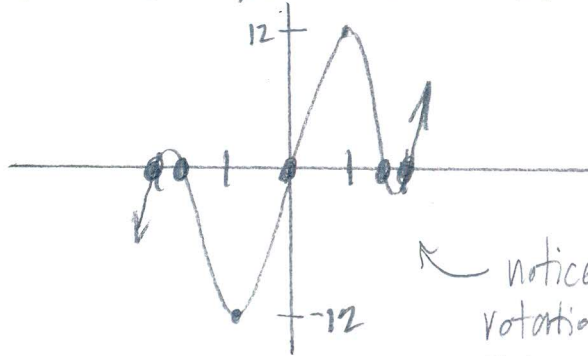
$f(x) = (x-2)(x+1)^2$



Name T. Fuston

2. $y = 2x^5 - 14x^3 + 24x$

$y = 2x(x+2)(x-3)(x+\sqrt{3})(x-\sqrt{3})$

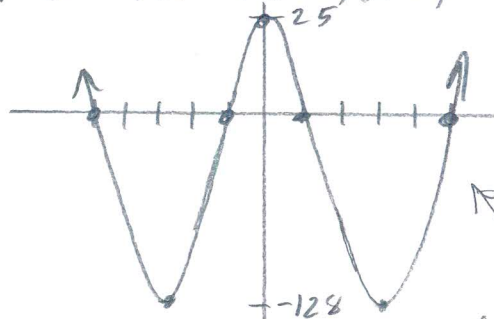


notice \star rotation symmetry!

It's an odd function!

4. $y = x^4 - 26x^2 + 25$

$y = (x+5)(x-5)(x+1)(x-1)$



\star Notice vertical symmetry!

It's an EVEN function!

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

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

