

## Shaping Up!

Equation and Graph	Even Degree? Odd Degree?	y-intercepts (how many?)	x-intercepts (how many?)	End Behaviour	# of turning points	# of points of inflection
$f(x) = x^2 + 4x - 5$						
$f(x) = -x^4 - 2x^3 + x^2 + 2x$						
$f(x) = 3x^4 - 4x^3 - 4x^2 + 5x + 5$						
$f(x) = 2x^6 - 12x^4 + 18x^2 + x - 10$						

$f(x) = x^3 - 2x$						
$f(x) = 2x^5 + 7x^4 - 3x^3 - 18x^2 + 5$						
$f(x) = 5x^5 + 5x^4 - 2x^3 + 4x^2 - 3x$						
$f(x) = -2x^3 + 4x^2 - 3x - 1$						
$f(x) = x^4 + 2x^3 - 3x - 1$						