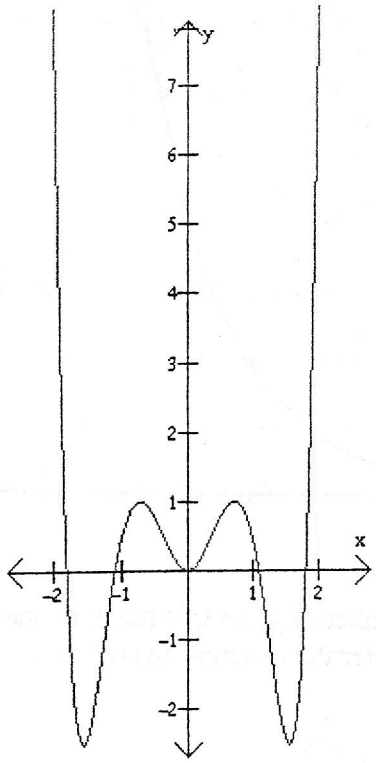
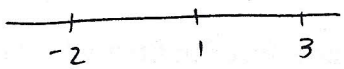
6) Consider the following graph of a polynomial.




a) The degree of the leading term must be even. (even or odd)
b) The leading coefficient must be positive (positive or negative)
c) The degree of the polynomial is at least 6

7) Graph $f(x) = (x-1)(x-3)(x+2)$




$f(-3) = (-4)(-6)(-1) = -24$

$f(0) = (-1)(-3)(2) = 6$

$f(2) = (1)(-1)(4) = -4$

$f(4) = (3)(1)(6) = 18$