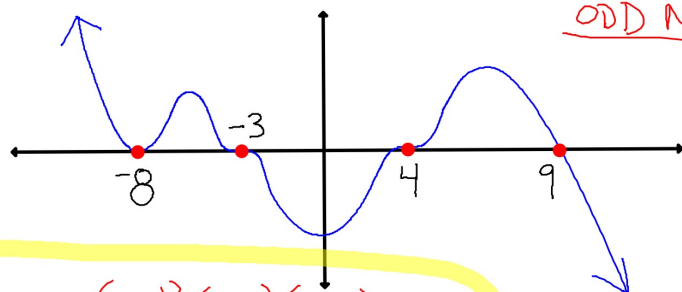


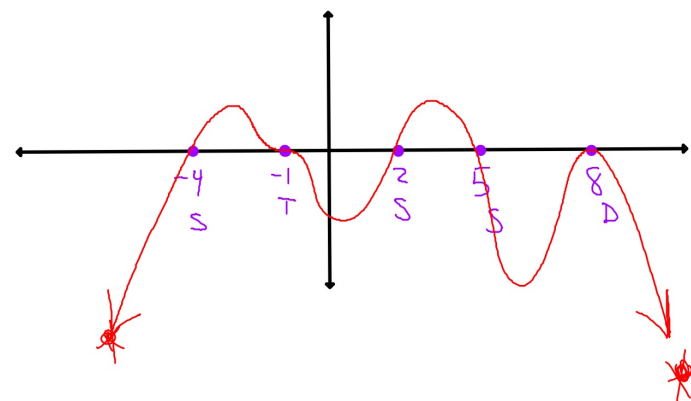
1. Write a possible equation for this polynomial.



$$y = -(x+8)^2(x+3)^3(x-4)^3(x-9)$$

2. Graph this polynomial: $y = (x+1)^3(2-x)(8-x)^2(x+4)(x-5)$

EVEN NEG



3. Find all the Absolute Extrema (if any), Relative Extrema (if any), and Zeros (if any) of this function:

$$y = 0.1x^4 + 0.1x^3 - 1.7x^2 - 2.1x + 3.4$$

Absolute Max: NONE

Absolute Min: -7.48

Relative Max: 4.04

Relative Min: -0.2

Zeros: -3.25, -2.72, 0.96, 4.01

