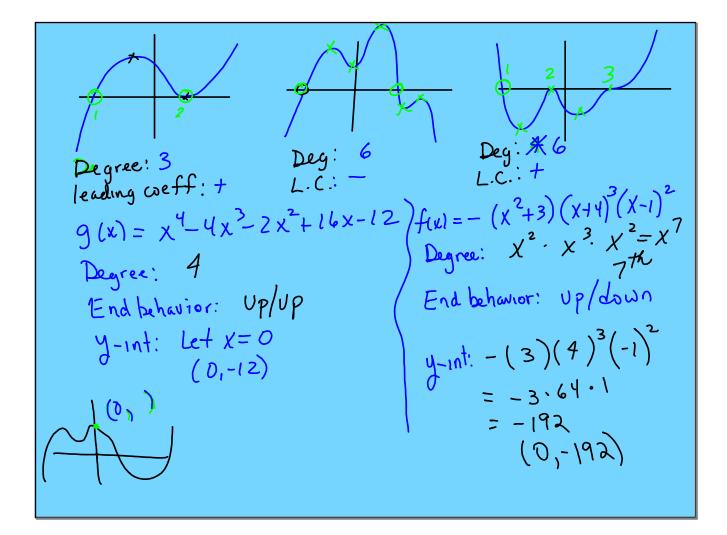
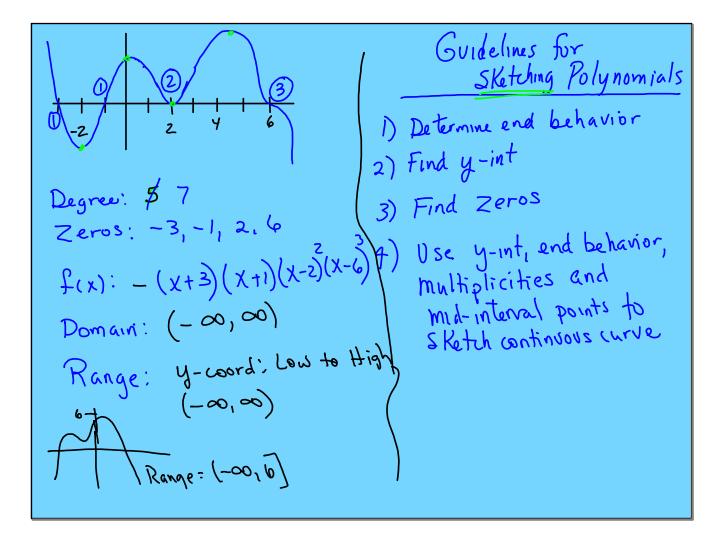
rollercoaster GRAPHS OF POLYNOMIALS-Smooth, continuous curves -no sharp pts, no holes, no asymptote Key Characteristics Max#: # of relative max/min.: Degree-1 (local) (peaks/valleys) # of Zeros: Degree $f(x) = \chi^{5} - 4\chi^{3} + 2\chi^{2} - 7\chi + 4$ (x-int)End Behavior. town UP(+/.c. Odd degree: d. Even degree: Pegree: 5 Leading Coefficient: Wert request : uplup coeff on highest power term ► _ l.c. Up/down down (down) Multiplicity Crosses through the X-axis: -2 odd multiplicity "bounces" off x-axis= even. multiplicity -5, -3, -3, 0,0,0,4,4,4,4





$$f(x) = x^{4} + 4x^{3} - 3x^{2} + 10x + 8$$
End Bahav: 4^{44} even 1^{4}
 $y - 1nt: f(0) = 8 (0,8)$
 $zeros: \frac{-1}{2}, \frac{2}{2}, \frac{4}{1}$
 $-1] 1 - 4 - 3 10 8$
 $\frac{-1}{1 - 5 - 2 - 8}$
 $\frac{-1}{1 - 6 - 8}$
 $\frac{-1}{1 -$

