10/25 f(3)=2f'(3)=-4 f''(3) = 0 $\mathcal{L}'''(3) = -1$ trample of forfix=2+1(x-3)+0(x-3)
+ (-1)(x-3)/6 Equation of Tanger live: 4-2=-4(x-3)

$$f(x) = 2 - 4(x-3) + 6(x-3) - 1(x-3)$$

$$f(x) = -4 + 6(x-3) - 1(x-3)^{2}$$

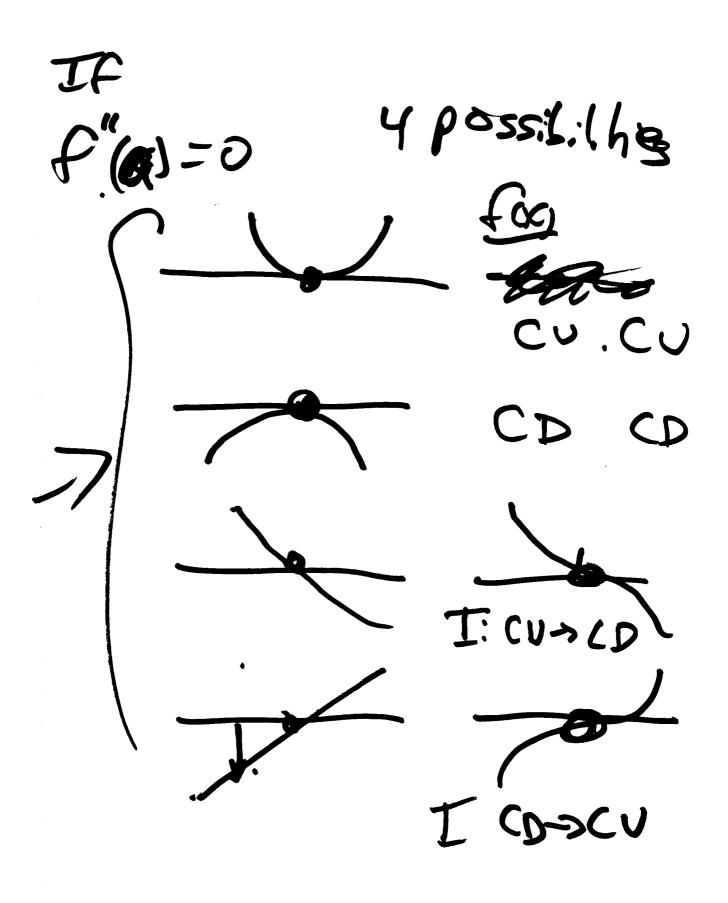
$$f'(x) = -4 + 6(x-3) - 1(x-3)^{2}$$

$$f'(x) = -4 + 6(x-3) - 1(x-3)^{2}$$

$$f''(x) = -4 + 6(x-3) - 1(x-3)^{2}$$

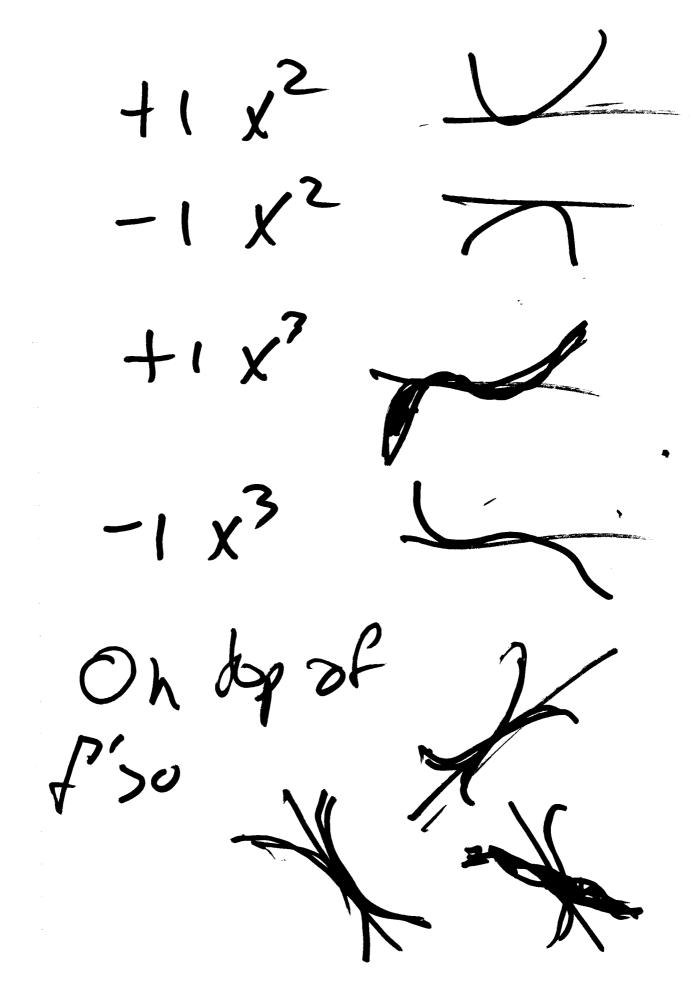
9(x): 
$$g(-z)=7$$
 $g'(-z)=3$ 
 $g''(-z)=0$ 
 $g'''(-z)=0$ 
 $g'''(-z)=5$ 

Example: 9(x1=7+3(x-2)+0(x-2)+



f(8) (3) = 10 and fiff(3):0 10(x-35 C(x) near

f(x) wer x=3 fly nerks F'EXIVERES



Price (60-x) Sell 100+5x mit Per unit Make thurst tolal revenue P(x)=(60-X)(100+5X) (product) = -5x2+200x+6000 X=-300 - 20 - 24 R'(10= -10x+200=0 7/172e: 60-20 = 40 = R(W) 5000 Sell: 100+5:20 = 20:0