12-13-19.notebook

December 13, 2019



Dec 13-8:10 AM



Dec 13-8:13 AM



Dec 13-8:16 AM

If f'(x) = (x+2)(x-3) Duhare 15 f(x) 1 2? 1st deriv test 2) Concave up? concave down? 2nd deriv. test 3) Any P.O.I'S? $\uparrow (-\infty, -2) \cup (3, \infty)$ i)f(x) + -1 (-2,3) 2) f'(X) = (X+2)(X-3)5 = x2-x-6 $\begin{array}{c} f''(x) = 2x - i \\ 0 = 2x - i \\ x = \frac{i}{2} \end{array} \quad \begin{array}{c} f'(x) = -i \\ concas \\ con$ Concave down (-~, =) (oncave up (12, 00) Point of influction when X=z

Dec 13-10:00 AM