



ccu point inflection Determine the concavity of text and any points of inflection. $f(x) = 4x^3 + 21x^2 + 36x - 20$ $f'(x) = 12x^2 + 42x + 36$ 1" (x) < CCd - 7/4 CCU > f"(x) = 24x +42 $24\chi = -42$ ccd (-00, -7/4) X = -42/24 = -7/4ccu (-7/4, 00) P.O. i occurs a X=-74 find o all p.o. 2. g(x) = x 1/3 (x-4) $= x^{4/3} - 4x^{1/3}$ $g''(x) = \frac{4}{9} x^{-\frac{2}{3}} + \frac{3}{9} x^{-\frac{5}{3}}$ 4 x 3 + 3 x -5/3 = 0 $\frac{4}{9} \times \frac{5}{3} (x + 2) = 0$ X=0 X=-2