oppgave 7 b) f'(x) = 2 cas(x) - (cax) - x sin(x) - 7 f'(x) = 2(05(x) - (05(x) + x Sin(x) - 7 = cos(x) + x Sin(x) - 1 f"(x) = - Sin(x) + (Sin(x) + x(0)(x)) 4"(x) = +x(05(x) Siden X E [7,3] vi) 16 2 (cos (7)) d eller 16 2 (3 cos(3) |: 13 605(3) | \(\) | \(\) | -2,97 | \(\) | (\) 2,97 (EUS(1)) EK=> 10,54 EK => 16 ≥ 0,54 er derfor Storre eller lik 2.97 Jf(x)dx - My = 4(6-a) 24n2 $\left| \int f(x) dx - 5 \right| \leq \frac{2.97(3-7)^2}{24-44^2} = \frac{99}{1600}$ $\frac{[(3-1)^2]}{24n^2} = \frac{1}{100}$ 91C = 24W 9601C = 24W N2 = 5016, Setter K = 2, 97 N= \ 50.2,97 = 7,03. Ma ta 8 steg for a vone silver på en Full Low