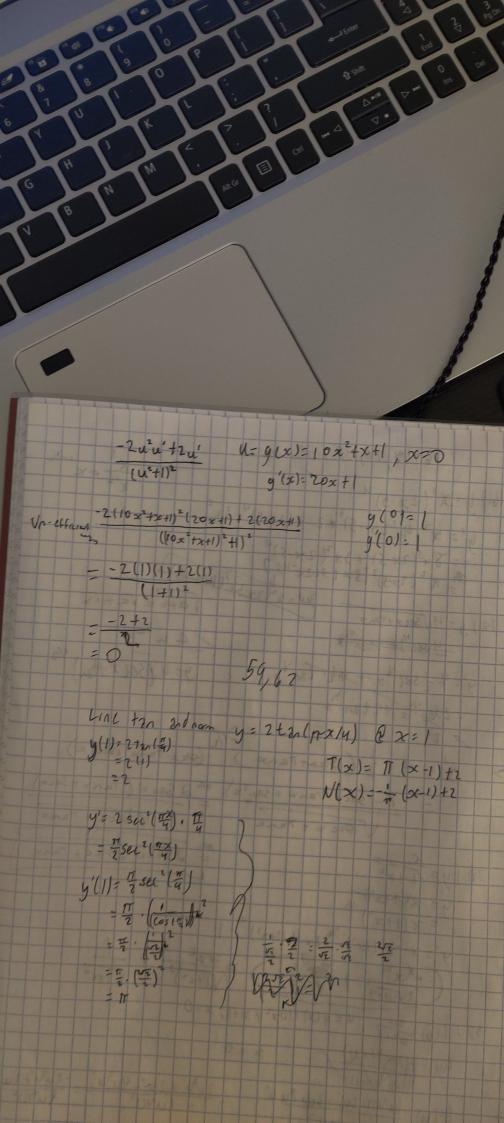
acei (2) f'(x) C(x) 2 -31 3 21 B) 2m+5 2 f(x) @ x= 2 FIX + 9(x) @ x=3 2. 1 f'(x)+ g'(x) & 2-F'(x) 2+ + 5 0 3 15-87 F(x)/9(x) @ x=2 F(x) - g(x) @ x=3 y(x) ('(x) - f(x) g'(x) (9(21)2 f(x)·g'(x)+g(x)+ P(x) 3.5+1-4).24 2 - (8-3) 15-84 F(y(x)) @x = 2 VF170) @ x=2 f'(g(x)) · g'(x) F(x) 1/2 25HA) = 258 f(2), -3 3.-3 -5 (h) 62(x)+g2(x) @ 22 i (((x)+g(x)))".[((x)+2g(x).g) 2[1/2 + 12] + (9(x1)2] 1 [2 pc/s. 6 (x) + 2 g x) · 9' (x)] -2 (g(x)) 32



Trig Cheat Sheet Definition of the Trig Functions Unit circle definition of For this definition of nt triangle definition we assume that < 0 2 2 01 00 < 0 < 90. (6,18,20, 37,59,62 6.) y= x3 (2x-5) 4 y'= x3,4(2x-5)342+(2x-5)4,3x2 = 8 x3(2x-5)3+3x42x-5)4 02 x2(2x-5)3[8x+3(2x-4)] Best = x2(2x:5) (14x-15) 1 a+6 + 1a+15. 18.) y = 4 JSec++20x /4 n/2 = 4 sec + 4+20 4 y=4 (secx tta) 1/2 y'- 4. - se( = x + 42. tan = x = 2 se 1/2 +2tan 2 5 = 4 2 ( SPEIX + Tanx ) (SPEIX + TANK + 9262 X) oa 2 Sec x (Tanxt Secs) d (Seck. Tank + Sec2k) V SPECK + Tank 1 STEC + + Tank 2 Speck ( SPECK + Tanx 20.142 51+22 y = 20(1+20) -1/2 y'=x.==(1+x2)-3/2 2x + (1+x2) 11. ( -1x2 1 1222 ) - ( ( ( + x2 ) 3 + ( 1 + x2 ) 3 + ( 37.1 f(w) = 24 | u = g(x) = 10x2 + x+11, x=0 2024 + 24 - 4424 = -2424 + 24 ((u) = 2(10x2+x11) (11 (W) = (42+1)(224) - 24.24 u' ((12+1))