Exercises 1.1 ~~ Casa July EX (1) FCW = V5x+10 To Sind domain F , 5x +10 70 , 50 5x =-10 x > -2 , so Domain: F = [-2, 00) Range F 13 [0, w) Ex (4) 9(x) = Vx2-3x Pomain: x2-3x >0 => x(x-1) 20 --- 0 +++ sign of x --- ? +++ sign of (x-3) ++++++ . --- ++++ sign of x (x-3) 10 X(x-3) 20 when x € (-00,0]U[3,00) 50 Domain g(x) = (-0,0]V[3,00) Range 9(x) = [0, 00). $E \times (6)$ $C_{-}(4) = \frac{2}{t^2 - 16} = \frac{2}{(\xi - 4)(\xi + 4)}$ ---- 5ign 6-4 ---- Sign 6+4 -4 4 Sign 2 (E-4) (E+4) Domain a(+) = (-00,4) U(-4,4) U(4,00) Range a(1) = (-00,00) v (0,00) Ex (17) 9(x) = VIXI = (VX V-X 5 2V-X Domain 9(x) = (-000) Range 9(x) = [0, 00) y= x2 1924 (B) 9) 191= X Also Aisnot fundametrionelle y is not afunction of 1 1 =-x cuts the graph more than once.