BOARD OF STIDIES question 1. 9+144 () 8-- 1.75862069. = 1.33 (3 sig figs). b) |x+3|<2. x+3<2 or x+37-2. x7-5. X < -1 $\rightarrow$ <del>-1</del>0 2 c)  $x^2 - 2x - 8 = 0$ . (x+2)(x-4)=0x + 2 = 0. and 2c - 4 = 0.  $\chi = 4$ x = -2x = -2 or 4.

01WB4

d) 3+1, find primitive.  $= 3x + \ln x$  $\frac{e) x}{x^2 - 4} + \frac{2}{x - 2}.$ X (x+2)(x-2) x-2 x + 2(x+2)(x+2)(x-2)(x-2)(x+2).3c + 2x + 4(x+2)(x-2)3x+4(x+z)(x-2) $).\$979 \times 90\% = \$881.11$ \$88111 was the original price of the video recorder. 01WB4