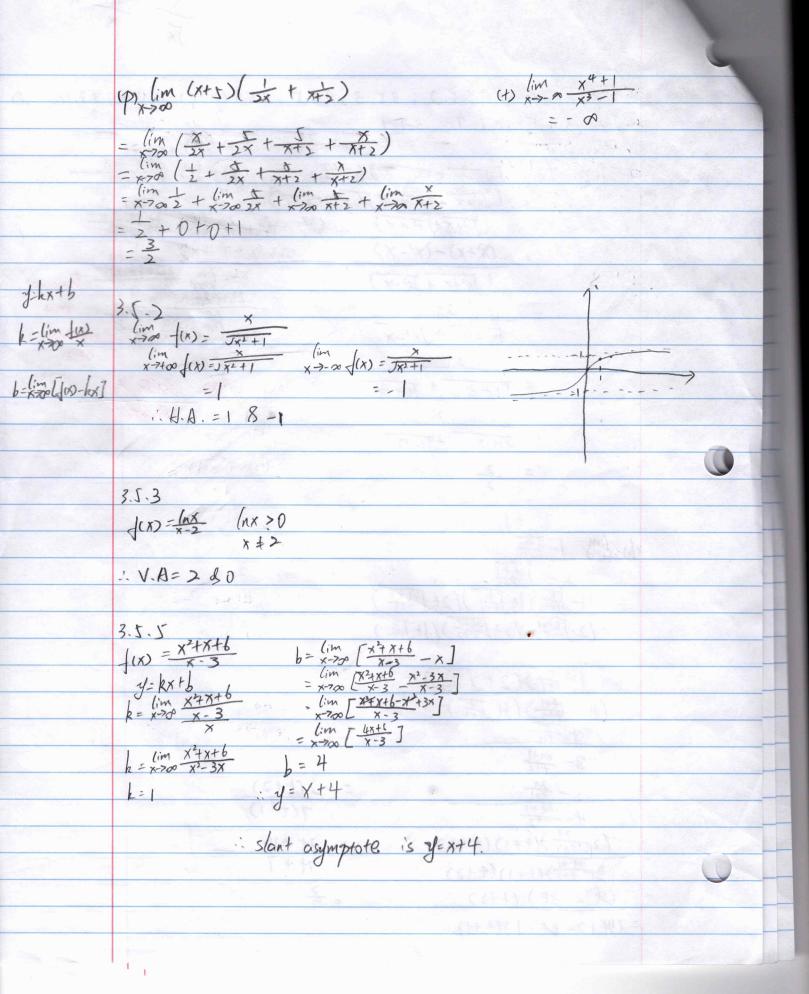
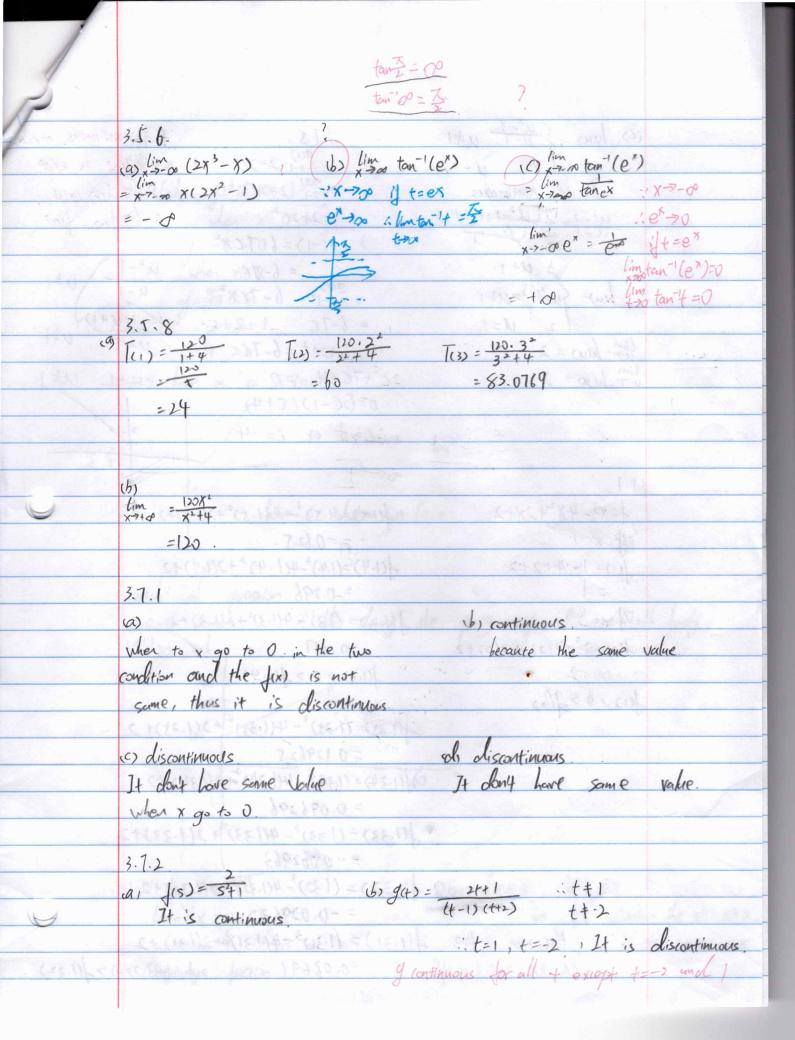
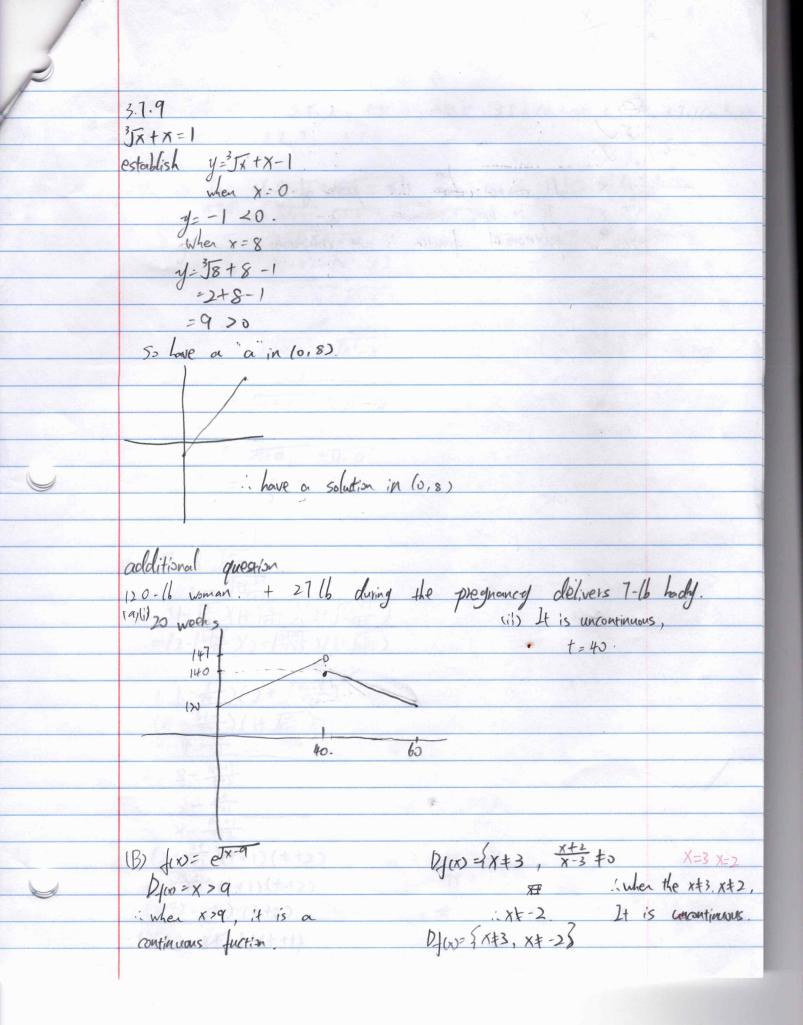
3.5.1(a f, h, p, t), 3.5.2, 3.5.3, 3.5.5, 35.6 (a-c), 3.5.8, 37.1(a & d) 3.7.2, 3.7.5 ,3.7.7, 3,1.9 315/100 lim (Jx3+x-Jx3-x) x-300 = (Jx3+x-Jx3-x)(x3+x+Jx2-x) = lim 3+Jx +x = x>0+ 2+4Jx (Jx2+X+Jx2=X) = (x2+x)-(x2-x) - lim 3/x+1+ /x (JK3+X + JK3-X) Jx2+x + Jx2-x /my / 34 J8 4/ +11-0 1-届)(1+届)(2+5特) = 2(++2) 7(++1) (2-2+1)(++1)(++2) = 2+4 (x+72-x+) (++2) = (4+8-44-1)(++1)





+ 1's continuous, aty=0 y(x) = 1 y(x) = 1ida is exist It is continuous, 1999 u2-1 - (11-1) (11+1) ml s of = 2+262 g(-1)=6-7Cx2 = 6-7C= $x \to -1^+$ $6-7CX^2$ = 4+1 how = Su+1 = U+1 (y-1111+1). = 6-76 2+2c2=6-7C lim h(u) = 2 lim 1/10 = 2 202+76-4 =0 11=1 0=(26-1)((+4) : C= ± or C= -4 3.1.1 1=x3-4x2+2x+2 f(1.5) = (1.5) 3- 4(1.5)2+2(1.5)+2 = -0.625. J(1.4)=(1.4)3-4(1.4)2+2(1.4)+2 f(1)=1-4+2+2 =1 =-0.296 7 x=2 (11.3)=(1.3)2-4(1.3)2+2(1.3)+2 =0.037 1(2)=23-4(2)+2(2)+2 J(1.3>>0>J(1.4). fu>0>fu> (1.35)= (1.35)3-4(1.35)2+2(1.35)+2 = 0.129625 1(1.34)=(1.34)3-4(1.34)+2(1.34)+2 = 0.096296 (1.33)=(1-33)3-4(1-33)2+2(1-33)+2 =-0.062963 -(1.32) = (1.32)3-4(1.32)2+2(1.32)+2 = -0.029632. 1. the root is (3. \$(1.31) = (1.31)3-4(1.31)2+2(1.31)+2 =0.03691 } (131>>0>\$(1.32)



(4) It can not be the point of limit.

It is not connect. (iii) x It is not connect.

polynomial function is not continuous. (iv) x W X