## MATH 1432, SECTION 12869 SPRING 2014

DUE DATE: 1/22/14 IN LAB HOMEWORK ASSIGNMENT 1

## INSTRUCTIONS

- Print out this file and complete the problems. You must do all the problems
- If the problem is from the text, the section number and problem number are in parantheses
- Write your solutions in the spaces provided. You must show work in order receive credit for a problem.
- Remember that your homework must be complete, neatly written and stapled.
- Submit the completed assignment to your Teaching Assistant in lab on the due date
- · If you do not do all of the problems, then your recitation quiz from the previous Friday will automatically

1) fox)=3x+5 1> g/me . 50 b

(2) Switch x and f -> Thun solve y. + exists - XCIR f(x)=3 >0 \tag{\text{X} > fishorousy} => fit (-1. (x) f= f= 2x < 2+ 8c=x

> (Section 7.1, Problem 3) ) (X) - 1 - X 2 f(x)= -2X -> Not monotone for xell 1 -1 +UD C

xx-hy & sh=x & fe>x (1) fxx=x5 => f(x)=5x4 >0 Ax > 1-1

XIR

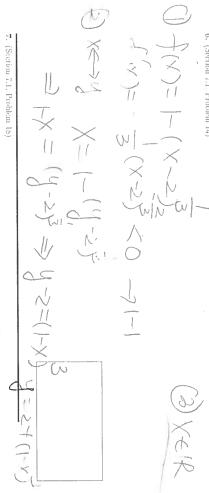
0 fro = x -3 X+2. 1 f(x) = 2X-3 Not montant

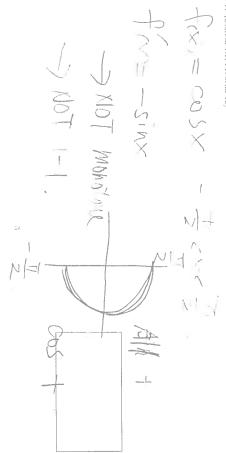
5. (Suction 7.1, Problem 10)

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7 (1) = 4(1-x) -> Not hink of Only -> Not 1-1







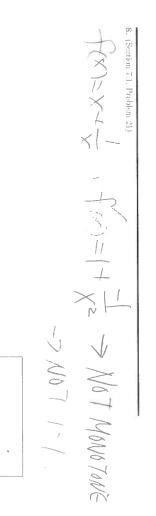
6. P(x)=X3+XX+X

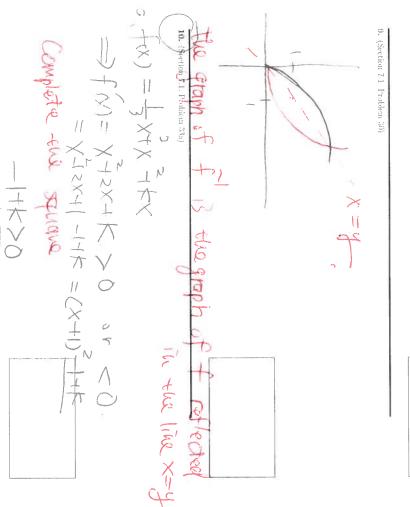
1X

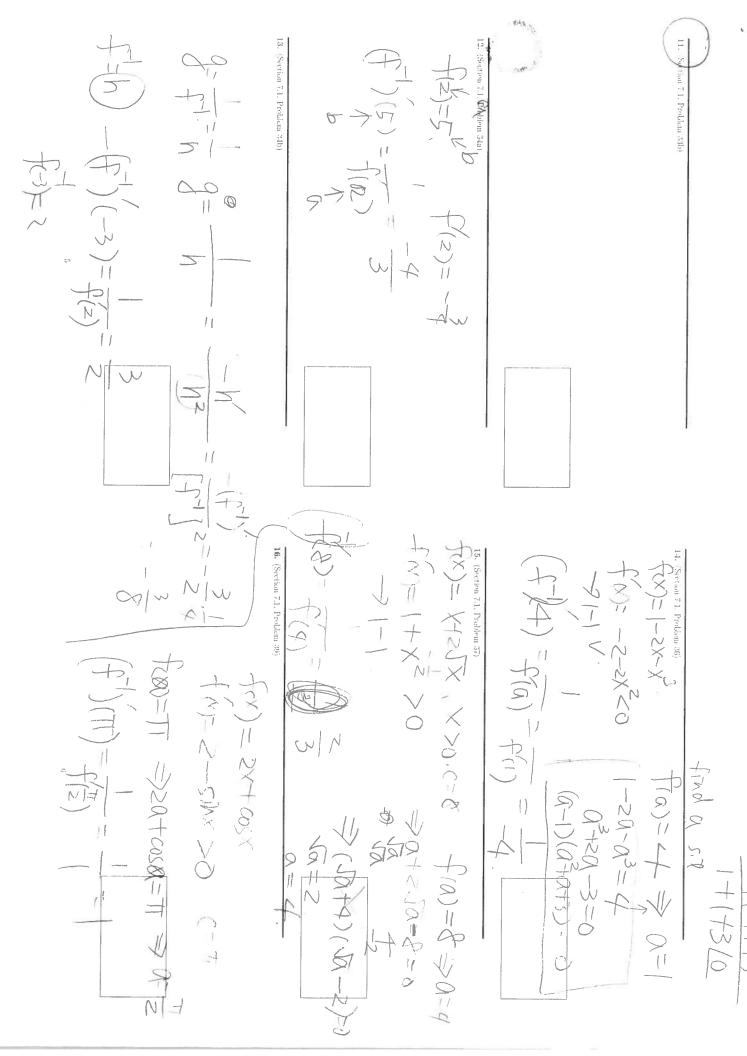
roof and graph

quadratic tormula

g(x)=3x+2kx+1 -5<60







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Differentials esternates

20. (Section 7.2, Problem 15b)

FLX) - Un X X = 5, N = -0, 2 f(x+h)=f(x)+hf(x)

 $y_{n48}=f(y_{18})=f(5)-0_{12}f(5)$ 

> UMX = JM(2X-1)2 2X-1>0 24 (Section 7.2. Problem 20)

20n X= 2n (2x-1) X>0 \* NOTEX CONTINUENT X=(2x-)~ - PMS-D+2. ]- - 1161-0105