Let
$$\log x = 2$$
 $\log y = 3$ $\log 2 \approx 0.3$

1) $\log 4 = \log(2.2)$
 $= \log_2 2 + \log_2 2$
 $\log_2 2 + \log_3 2$
 $\log_3 2 + \log_3 2 + \log_3 2$
 \log

MNOT NERDED, BUT SAVES SPACE

9)
$$19\pi63 = \frac{10963}{1097} \approx 3.6193$$

11) $2^{10922} = 2$

13) $109 = (2 \times 10^{-4})$
 $1092 = 10910^{-4}$
 $2092 = 10910^{-4}$
 $2092 = 3.6990$

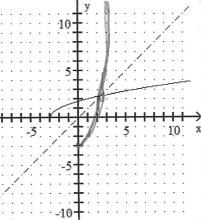
15) $109 \times 25 = 2$
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8) 109=13= 0,5 = 1.5937
 10) 1093 (10928)
   1093 (3)
 (000003) 601=(20123) 501 (21
  02/09/2+109/04
     = 4.3010
 14) On (2xe4)
     In 2+ 2ne4
    2n2 + 6431
  16) 109 X+109(X-3)=
     105(X2-3X)=1
   1x2-3x=10
  (x+2)(x-5)=0
   X==2,5
  -2 DOES M WORK
  Check 109 5 + los (5-3) 51
        1095+10(2)0
 10) 5×+1 = 7×
2n (5×+1) = 2n (7×)
 (X+1) 2n5 = X2n7
Xen5 + 25 = ven 7
 en5 = x en 3 - x en 5
en 5 = x (en 7 - on 5)
Pn5 = x Dn 35
en 5 = X
              X=4,7833
```

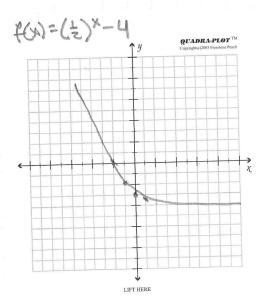
20) A=P(1+E)ne A= \$60000 gualedy 4 mg 5 years A= 60000 (1+0.07)4-5 =60000(1+0.0175)20 = 84886.69 Compoundes is betta: 21) 2P=P=0.025+6 2,2=0.025the 0,025 st 27.7259×6 23)025=32 209232=5 b) 1002=10 log10010= 1/2 0 (3) = = 10933=-1

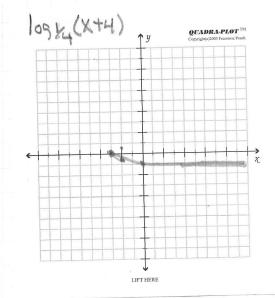
A= Pert 6=6.75 A=60000 & (0.0675) (5) 84086.38 22) y=y0 ext hirst find K, 5% parday, means that at t= 1 y= 0.95 yo 570=600 ekil 570 = e 0.95 = eK 40,95 = enek -0.0513=K a) y=600e-0.0513k b) E=12 y=600e-0.0513(12) c) y=324.2 5 = 0.5 (900) NOW SIND to -0.0513t. 450 = 900 e-0.0513t. 0.5 = e-0.0513t. ln(0.5) = ln(e-0.0513t) ln(0.5) = 0.0513t lne -0.0513=t 13.5 36

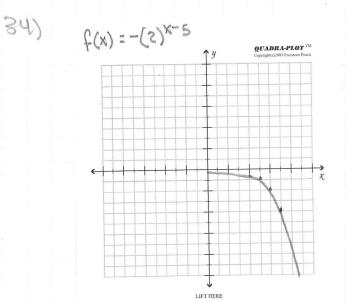
31)
$$f(x) = 4x - 32$$



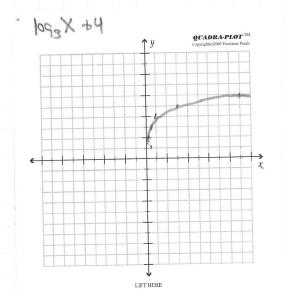








36)



16-	1053X	103 5/4 14
不	-5	S
3		3
2		
2	7	7