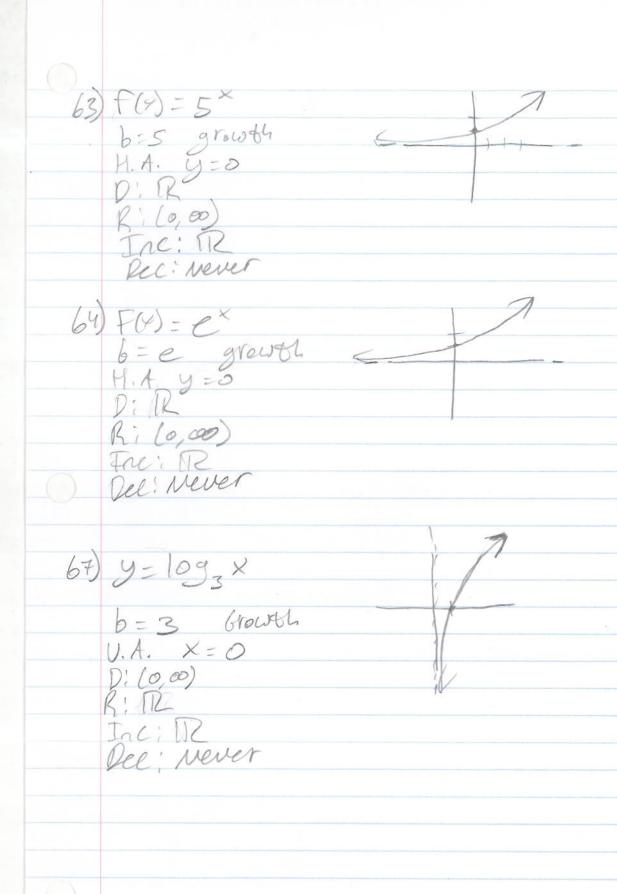
1835 21 Reliew

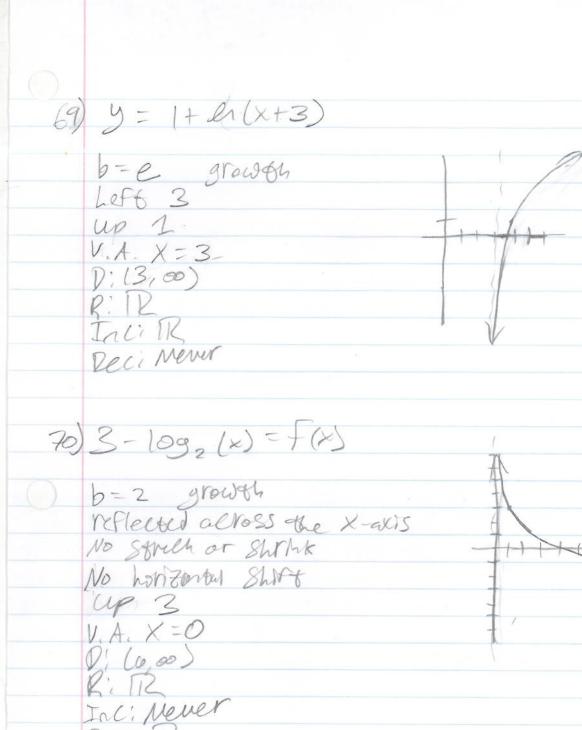
* Problems are done in numerical order 21) log (3-x) + log(x) = log ((x-3)x) - log(x=3x) 23) 2 en(x) + en(y) + en(3) en (3x24) 24) 3/09 (x) - 2/09 2/y) + log 2(Z) 25) log (3x4) = | log (3)+4log (x) 27) logs (5 Tx) - [logis) + 2/093 (x) - 4/1093 (y) 33) log (x) = 10 X=1010 35) log (81) = 9 4 X 4 781 = 7 X = +3 37) 109 /3 (27) = x+2 a 13) = 127 (x+2)(20-6B))=-627 -(x+2)M3) = 427 -(x+2) = 427 -(x+2) = 427 -x-2 = 427 er3-x = 427 +2 X=-2-427 x =-5

39
$$3^{\times +2} = \frac{1}{9}$$
 $(x+2) 2 \cdot 3 = 9 \times 10^{-2} = 2 \times$

47)
$$\log_2(x) + \log_2(x-4) = \log_2(x+24)$$
 $\log_2(x^2-4x) = \log_2(x+24)$
 $\chi^2-4x = x+24$
 $\chi^2-5x-24=0$ Nonvert

 $(x-8)(x+3) = 3h(4)$
 $y(x+2)^2 = yh(64)$
 $(x+2)^2 = 64$
 $\chi^2+4x+4=64$
 $\chi^2+4x+4=64$
 $\chi^2+4x+6=6$
 $\chi^2+4x+6=6$





Deli IR

TO F(4)=1+2×1
b=2 growth
No reflection across x-axis right 1

up 1

H.A. y=1

D: TR.
R: (1,00)

Inc: TR

Pec: Never 73 F(x) = 3-2 X+1 b=2 growth reflect over X-axis UP 3 H.A. y=3 D: IR R: (3,00) 83) 3×=10 X23=610 X=63 20,477

84)
$$4^{2x} = 12$$

 $2xe_14 = e_12$
 $4xe_2 = e_12$
 $4x = e_12$
 $x = e_12$

85)
$$\log_3(x) = 1.876$$
 $1 \times = 3^{1.876} \times 7.854$

8b)
$$loy_5(x+2) = 2.7$$

 $x+2 = 5^{2.7}$
 $x = 5^{2.7} - 2 \approx 75.129$

88) n3 × = x+1 X (23 = X+1 X (23 -1) = 1 X= ev3)-1 2 10.141 89 (093 (81) = 1093 (9) - 1093 (9) True, 6 clause 9(9) = 81 91) en(3") = (en(3))2 Forse belause to should be zen3 9 Log (8) = 12 True, 4.3=12 & 4/109, (8) 95) 109 (1006) = 3 + 109 (6) Felse, first the Cube of 6 13 Not 1006 It is 216 and it is Not added but multiplied. 97) 10928 = 1092 (8) - 1092 (16) Folse, Misuscrof Pilison rule

(05)
$$\beta = 50,000$$
 $\Gamma = 540$ $\Lambda = 4$ $t = 18$ years

 $50,000 \left(1 + \frac{05}{4}\right)^{4(17)} = 122,296.01$
 $106)$ $Pert$ $30,000 e^{(0.0618)12.25} = 63959.33$
 $109)$ $A = 25e^{-0.00032t}$
 $t = 0$ $25e^{-0.32} = 18.154$
 $12.9 = 25e^{-0.00032t}$
 $2 = e^{-0.00032}$
 $2 = e^{-0.00032}$
 $2 = e^{-0.00032}$
 $2 = 106.085$
 $2 = 1000$
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1)
$$(x-3)^2 = 4$$

 $x^2-6x+9=4$
 $x^2-6x+5=0$
 $(x-5)(x-1)=0$
 $x=5,1$
2) $2\log(x-3)=\log(4)$
 $\log(x-3)^2=\log(4)$
 $(x-3)^2=4$
 $x^2-6x+9=4$
 $x=5,1$
3) $\log_2(x-3)=4$

$$\begin{array}{c} X-3=2 \\ X=5 \end{array}$$

$$X-3=16$$

 $X=19$ $\sqrt{519-3}=4$
 $4=4$

6)
$$|x-3|=4$$

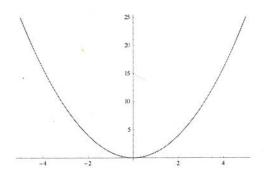
 $x-3=-4$
 $x=-1$
 $x=-1$

11)
$$\log(x-3) + \log(4) = \log(x)$$

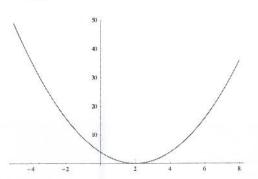
 $\log(4x-12) = \log(x)$
 $4x-12 = x$
 $3x-12 = 0$
 $3x = 12$
 $x = 4$
12) $x^{3}-4x^{2}+x+6=0$ $p=\pm(1,2,3,4)$
 $q=\pm 1$
 $q=$

X=-1,2,3

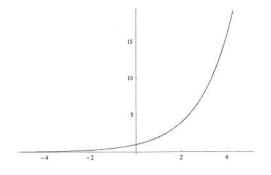


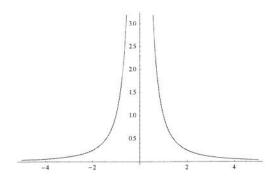


$$Y=(x-2)^2$$

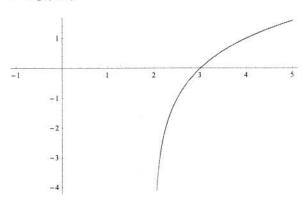


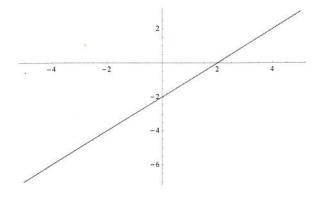
Y=2^x



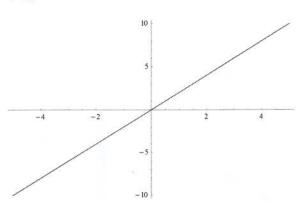


 $Y = log_2(x-2)$

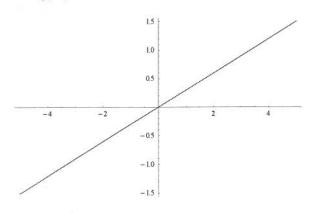




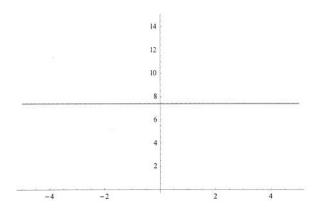
Y=2x



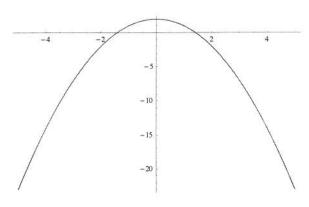
Y=log(2^x)



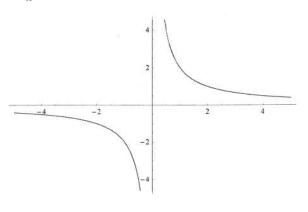
Y=e²



 $Y=2-x^{2}$



 $Y = \frac{2}{x}$



$$Y=\frac{1}{x-2}$$

