## Marco Work Friday Homework Quiz Week 11

```
12. 2\log_{3}(x+4) - \log_{3}q = 2 \log_{4}M' = \Gamma(\log_{4}M)

\log_{5}(x+4)^{2} - \log_{3}q = 2 \log_{4}M - \log_{4}N = \log_{5}M

\log_{5}(\frac{x+4}{2})^{2} = 2 \log_{4}x = 4 \log_{4}x = 4 \log_{4}x = 4

\log_{5}(\frac{x+4}{2})^{2} = 2 \log_{4}x = 4 \log_{4}
                                                                                                                                                                                            Mario Ruto
                                                                                                                                                                                      let a=3x, (a) = 4 * a * a + = a"
(a-4)(a-1)=0
                               3^{\times} = -4 or 3^{\times} = 1 = 3^{\circ} Exponents can't create -; q^{\circ} = 1
                         9=-4 or a=1
                                                                                                                                                   y = lnx \rightarrow x = e^y
                                                                                                                                                    109a9=r
          In TX = X+3
                  X/nT = X+3
                                                                                                                                                                                                 ab-q = a(b-1)
                    x \ln \pi - x = 3
               \frac{X(\ln \pi - 1) = 3}{(\ln \pi - 1)}
       1092 (3x+2)-1094x=3
         1092 (3x+2) - 10922X = 3
    1092 (3x+2) - 21092 X = 3
```

## Marco Work Friday Homework Quiz Week 11

	-
	1
1092 (3x+2) - 1092 x = 3	
109.2 (00.+1)	1
M. W. Manager C.	4
8x = 3x+2 = 1 1=0 -6+ 1/2-4ac	0
8x+-3x-2=-3x+8x 12-60 x= 2a	6
$8x^{\frac{1}{2}} = \frac{3x+2}{3x-2}$ $8x^{\frac{1}{2}} - \frac{3x+2}{3x-2} = -3x+8x^{1/2} - 2 = 0$ $x = \frac{8\pm\sqrt{8^2-9(3)(2)}}{2(3)} = \frac{8\pm\sqrt{64-24}}{6}$ $x = \frac{2(3)}{2(3)}$ $8\pm\sqrt{9(3)} = \frac{8\pm\sqrt{9(3)}}{6}$ $9\pm\sqrt{10} = \frac{1}{2}$	
$= 8 \pm \sqrt{40} = 8 \pm \sqrt{4.10} = 8 \pm 2\sqrt{10} = 4 \pm \sqrt{10} = 8$	()
= 81/40 = 6 3	-
3	
50. $\log_2 x + \log_4 x = 3$ $\log_4 x + \log_4 x = \log_4 x + \log_4 x = \log_4 x^2 = 2\log_4 x$ $\log_4 x + \log_4 x = \log_4 x + \log_4 x = \log_4 x$	
$\frac{109x}{\log 2} + \frac{109x}{\log 6} = \frac{109x + \log x}{\log 2 + \log 6} = \frac{109x}{\log 10} = \frac{109x}{\log 12} = \frac{109x}{\log 12}$	
111100 10771 -	
1 4211-3 7/04/2 + 1095 1095	
$\log x + \log y$ $\log x - 3 = 0$ $\log x = 3$	
$\frac{\log(1 \log x)}{\log(1 \log x)} = 0  \log(1 \log x) = 3$	
1000	
10 = x (1006 = x)	
44 1092 x 109= X = 4	
1092 x 109, x = 4	
$(log_2 x)^2 = 4$	
(1092X) -L	
109-X=Z	
2 - V	
(Y = X)	
	E