

Friday Practice Set 6 Answers to evens  
pg 315.

36)  $5x$

38)  $15$

40)  $x+1$

42) 16 should also be raised to the power of  $x$

$$\log_4 64^x = \log_4 (16^x \cdot 4^x) = \log_4 ((4^2)^x \cdot 4^x)$$

*oops  
you didn't  
have to do  
this one*

$$= \log_4 (4^{2x} \cdot 4^x) = \log_4 (4^{2x+x}) = \log_4 (4^{3x}) = 3x$$

44.  $y = \log_{11} x$

46.  $y = \left(\frac{1}{5}\right)^x$

48.  $y = \frac{1}{2} e^x$

52.  $y = 10^{x-13}$

72)  $g(x) = -f(x)$

$$g(x) = -\sqrt[3]{x}$$

60.  $y = \log_3 (x+2)$

