Log Equations



$$\log_3 3 = 1$$
 $3 = 3 \times 1$
 $\log_4 4 = 1$
 $\log_4 4 = 1$
 $\log_4 7 = 1$

$$log_55 = 1$$

Solve for x.



$$\log_3 4x = \log_3 20$$

Solve:

$$\log_{4}(5x-1) = \log_{4} 8$$



Simplify:

$$\frac{\log_6 8}{8} = x$$



Simplify:

$$12^{\log_{12} 9} = x$$



$$\log_5(5^3)$$



Solve:
$$\log_5(x+5) = \log_5 8$$

