

Solving Log EQs w/Properties

Date_____

Solve each equation.

1) $\log_5 4 + \log_5 x^2 = 2$

2) $\log_9 x + \log_9 6 = \log_9 25$

3) $\log_2 6 + \log_2 x = 1$

4) $\log_9 2x^2 + \log_9 2 = 1$

5) $\log_4 10 - \log_4 (x + 9) = \log_4 2$

6) $\log_3 (x^2 + 2) - \log_3 2 = 1$

7) $\log_5 (6 - 5x^2) + \log_5 8 = \log_5 38$

8) $\log_3 (5x - 7) + \log_3 2 = 4$