

Algebra 2 Topic 6 // *Quiz 1 Review A*

N: _____

D: _____

P: 0 1 2 3 4 5 6

Based on Lessons 1-4 and Practice A and B. Do not study only these questions, it could be anything that we have learned so far.

1) Convert to Exp Form: $\log_3 9 = 2$

2) Convert to Exp. Form $\log_{27} 3 = \frac{2}{3}$

3) Convert to Log Form: $7^2 = 49$

4) Convert to Log Form: $5^2 = 25$

5) Evaluate: $\log_4 1$

6) Evaluate: $\log_8 2$

7) Evaluate: $\log_3 81$

8) Evaluate: $\log_3 3$

9.) Expand: $\log 6x^3$

10.) Expand: $\log_3 \frac{5a^3}{b}$

11.) Expand: $\log \sqrt[3]{7zm}$

12.) Condense: $\log 12 + \log x + \log y$

13.) Expand: $\log_3 6 + 3\log_3 h - \log_3 7$

14.) Condense: $8\log a - (\log 2 + 3\log b + 6\log c)$