

Algebra II

Just Checking #3... Week of 1-18-16

Name \_\_\_\_\_

Practice

Write each in exponential form.

1.  $\log_3 81 = 4$

2.  $\ln 4 \approx 1.386$

3.  $\log 3 \approx 0.477$

Write each in logarithmic form.

4.  $8^3 = 512$

5.  $e^3 \approx 20.086$

Evaluate by changing forms and finding a common base.

6.  $\log_2 32$

7.  $\log_{\frac{1}{5}} 625$

8.  $\log_{243} 27$

9. Use the change of base to rewrite as a quotient of common logarithms. Then round the quotient to 3 decimal places.

$$\log_2 9$$

10. Use the change of base to rewrite as a quotient of natural logarithms. Then round the quotient to 3 decimal places.

$$\log_5 11$$