

Algebra II

Just Checking #4... Week of 1-25-16

Practice

Expand.

1. $\log mn$

$$\text{LOG } m + \text{LOG } n$$

3. $\log y^5$

$$5 \text{LOG } y$$

5. $\log_7 \frac{a}{bc}$

$$\text{LOG}_7 a - \text{LOG}_7 b - \text{LOG}_7 c$$

Condense.

7. $\log 3 + \log 7$

$$\text{LOG } 21$$

9. $\frac{1}{5} \log 6$

$$\text{LOG } 6^{\frac{1}{5}}$$

Name _____

2. $\ln \frac{r}{s}$

$$\ln r - \ln s$$

4. $\ln pqr$

$$\ln p + \ln q + \ln r$$

6. $\log_2 \frac{m^7 n}{r}$

$$7 \text{LOG}_2 m + \text{LOG}_2 n - \text{LOG}_2 r$$

8. $4 \log 3 + \log 2$

$$\text{LOG } 3^4 + \text{LOG } 2$$

$$\text{LOG } 162$$

10. $4 \ln x - 7 \ln y - 3 \ln z$

$$\ln \frac{x^4}{y^7 z^3}$$