

Bell Ringer

04/21/15

Day 18 Week 5

1. Write each expression as a single logarithm.

$$\log 2 + \log 4 - \log 7$$

2. Expand the logarithm.

$$\log xyz$$

3. Solve each equation. To start, rewrite each side with a common base.

$$2^{3x} = 4^{x+1}$$

4. Solve each equation. Round to the nearest ten-thousandth. Take the logarithm of each side.

$$3^{5x} = 375$$