Bellwork Wednesday, March 19, 2014

1. Expand using all the properties of logarithms.

$$\log\left[\frac{1}{A^4}\left(\frac{\sqrt{B}}{C^2}\right)^3\right]$$

2. Write as a single logarithm.

$$5\log D - \frac{1}{3}\left(4\log E - \frac{1}{2}\log F\right)$$

Solve each. Round to the nearest hundredth.

3. $2 \cdot 3^{\frac{1}{x}} + 5 = 21$

4. $2\log_4(x+1)=3$