Quiz

Jan. 24, 2013

Name: _____

Calculate or simplify the following.

1. $\frac{d}{dx}2^x$

2. $\frac{d}{dx}(\log x)^3$

3. $8^{\log_2 5}$

4. $\log_{1/2} 16$

5. $51 + 55 + 59 + \ldots + 239$

6. $3 + 3 * 5 + 3 * 5^2 + 3 * 5^3 + \ldots + 3 * 5^{16}$

7. $a + ar + ar^2 + \ldots + ar^k$