

Expand.

Quick Warm Up

AA2 Block wk 4

1.  $\log ac^3$

$$\log a + \log c^3$$

$$\log a + 3\log c$$

2.  $\log \frac{r\sqrt{7}}{t^2}$

$$\log r(7)^{\frac{1}{2}} - \log t^2$$

$$\log r + \log 7^{\frac{1}{2}} - 2\log t$$

$$\log r + \frac{1}{2}\log 7 - 2\log t$$

Write as a single logarithm.

3.  $\frac{1}{2}\log_3 a + \log_3 w$

$$\log_3 a^{\frac{1}{2}} + \log_3 w$$

$$\log_3 a^{\frac{1}{2}} w$$

Are these different??

4.  $4\log_7 x - \log_7 y - \log_7 z$

5.  $4\log_7 x - \log_7 y + \log_7 z$