

Expanding Logarithmic Expressions

Expand each expression.

1) $\log_2(xy)^4 =$ _____

2) $\log_n\left(\frac{u}{v}\right)^7 =$ _____

3)

Preview

4)

**Become a member to unlock
unrestricted access to both printable
and online worksheets.**

5)

6)



www.tutoringhour.com

7) $\log_y\left(\frac{c^2}{d}\right) =$ _____

8) $\log_4(pq)^3 =$ _____

9) $\log_h\sqrt[3]{(mn)^2} =$ _____