

Logarithmic & Exponential Worksheets

Rewrite each in logarithmic form.

$$s^3 = k$$

$$p^{-3} = m$$

$$k^d = \frac{11}{7}$$

$$2^{-5} = \frac{1}{32}$$

$$q^n = \frac{2}{19}$$

$$8^{-3} = \frac{1}{512}$$

$$k^{-g} = \frac{17}{23}$$

$$16^{\frac{1}{4}} = 2$$

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Rewrite each in logarithmic form.

$$s^3 = k$$

$$\log_s k = 3$$

$$k^d = \frac{11}{7}$$

$$\log_k \frac{11}{7} = d$$

$$q^n = \frac{2}{19}$$

$$\log_q \frac{2}{19} = n$$

$$k^{-g} = \frac{17}{23}$$

$$\log_k \frac{17}{23} = -g$$

$$p^{-3} = m$$

$$\log_p m = -3$$

$$2^{-5} = \frac{1}{32}$$

$$\log_2 \frac{1}{32} = -5$$

$$8^{-3} = \frac{1}{512}$$

$$\log_8 \frac{1}{512} = -3$$

$$16^{\frac{1}{4}} = 2$$

$$\log_{16} 2 = \frac{1}{4}$$