Logarithmic & Exponential Worksheets

Rewrite each in exponential form.

$$\log_6 \frac{1}{36} = -2$$

$$\log_{64} 4 = \frac{1}{3}$$

$$\log_3 81 = 4$$

$$\log_3 243 = 5$$

$$\log_7 \frac{1}{49} = -2$$

$$\log_m y = 3$$

$$\log_b \frac{17}{2} = -y$$

$$\log_4 2 = \frac{1}{2}$$

Logarithmic & Exponential Worksheets

Rewrite each in exponential form.

$$\log_6 \frac{1}{36} = -2$$

$$6^{-2} = \frac{1}{36}$$

$$log_3 81 = 4$$

 $3^4 = 81$

$$\log_7 \frac{1}{49} = -2$$

$$7^{-2} = \frac{1}{49}$$

$$\log_b \frac{17}{2} = -y$$

$$b^{-y} = \frac{17}{2}$$

$$\log_{64} 4 = \frac{1}{3}$$
$$64^{\frac{1}{3}} = 4$$

$$64^{\frac{1}{3}} = 4$$

$$\log_3 243 = 5$$

$$3^5 = 243$$

$$\log_m y = 3$$

$$m^3 = y$$

$$\log_4 2 = \frac{1}{2}$$
$$4^{\frac{1}{2}} = 2$$

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

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