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.

$$\log_6 \frac{1}{36} = -2$$
$$6^{-2} = \frac{1}{36}$$

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

$$\log_3 81 = 4$$
$$3^4 = 81$$

$$\log_3 243 = 5$$
$$3^5 = 243$$

$$\log_7 \frac{1}{49} = -2$$
$$7^{-2} = \frac{1}{49}$$

$$\log_m y = 3$$
$$m^3 = y$$

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

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