

Worksheet: Laws of Logarithms

Laws of Logarithms
study guide



Model Answers
to this sheet



Join up the logarithms below with any others that are equal.

$$\log 3 + \log 4$$

$$\frac{1}{2} \log x$$

$$6 \log x$$

$$\log \sqrt{x}$$

$$\frac{1}{3} \log 8$$

$$5 \log 2$$

$$2 \log x^3$$

$$0$$

$$\log \frac{1}{x^3}$$

$$\log 2$$

$$2 \log 2 + \log 3$$

$$\log(2+2)$$

$$\log 4$$

$$4 \log xy$$

$$\log 12 - \log 3$$

$$\log \frac{2}{7}$$

$$8 \log 7$$

$$\log x^6$$

$$\log 12$$

$$\log 7^8$$

$$2 \log x$$

$$\log 4 + \log 0.25$$

$$\log 2 - \log 7$$

$$-\log x^3$$

$$\log x - \log x$$

$$\log 32$$

$$-\log 0.25$$

$$2 \log 4 + \log 2$$

$$\log x^5 - \log x^3$$

$$-3 \log x$$

$$\log 20 - \log 5$$

$$\log x^3 y + \log xy^3$$



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