

Student Name: _____

Score: _____

Quotient Rule Worksheet

Apply quotient rule and simplify the calculations using calculator. Round your answer to 2 decimal places:

<i>Example:</i> $\ln 12 - \ln 5$ $\ln 12 - \ln 5 = \ln\left(\frac{12}{5}\right)$ $= \ln 2.4 = 0.88$ $\ln 12 - \ln 5 = \mathbf{0.88}$	$\ln 6 - \ln 4$ $\ln 6 - \ln 4 = \underline{\hspace{2cm}}$
$\ln 15 - \ln 8$ $\ln 15 - \ln 8 = \underline{\hspace{2cm}}$	$\ln 3 - \ln 7$ $\ln 3 - \ln 7 = \underline{\hspace{2cm}}$
$\ln 10 - \ln 25$ $\ln 10 - \ln 25 = \underline{\hspace{2cm}}$	$\ln 4 - \ln 3$ $\ln 4 - \ln 3 = \underline{\hspace{2cm}}$
$\ln 9 - \ln 8$ $\ln 9 - \ln 8 = \underline{\hspace{2cm}}$	$\ln 38 - \ln 6$ $\ln 10 - \ln 6 = \underline{\hspace{2cm}}$

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Answers

<p><i>Example:</i> $\ln 12 - \ln 5$</p> $\ln 12 - \ln 5 = \ln\left(\frac{12}{5}\right)$ $= \ln 2.4 = 0.88$ <p>$\ln 12 - \ln 5 = \mathbf{0.88}$</p>	<p>$\ln 6 - \ln 4$</p> <p>$\ln 6 - \ln 4 = \mathbf{0.41}$</p>
<p>$\ln 15 - \ln 8$</p> <p>$\ln 15 - \ln 8 = \mathbf{0.63}$</p>	<p>$\ln 3 - \ln 7$</p> <p>$\ln 3 - \ln 7 = \mathbf{-0.85}$</p>
<p>$\ln 10 - \ln 25$</p> <p>$\ln 10 - \ln 25 = \mathbf{-0.92}$</p>	<p>$\ln 4 - \ln 3$</p> <p>$\ln 4 - \ln 3 = \mathbf{0.29}$</p>
<p>$\ln 9 - \ln 8$</p> <p>$\ln 9 - \ln 8 = \mathbf{0.12}$</p>	<p>$\ln 38 - \ln 6$</p> <p>$\ln 10 - \ln 6 = \mathbf{1.85}$</p>