

**Expand Using Product Rule**

<p><i>Example:</i> <math>\log_4(5 \times 7)</math></p> <p><math>\log_4(5 \times 7) = \log_4 5 + \log_4 7</math></p> <p><b>Answer: <math>\log_4 5 + \log_4 7</math></b></p>	<p><math>\log_2(3 \times 4)</math></p>     <p>Answer: _____</p>
<p><math>\log_7(9 \times 2 \times 8)</math></p>     <p>Answer: _____</p>	<p><math>\log_8(10 \times 2 \times 11)</math></p>     <p>Answer: _____</p>
<p><math>\log_9(10 \times 6 \times 3)</math></p>     <p>Answer: _____</p>	<p><math>\log_5(4 \times 8 \times 9)</math></p>     <p>Answer: _____</p>
<p><math>\log_{10}(5 \times 2 \times 8 \times 6)</math></p>     <p>Answer: _____</p>	<p><math>\log_{11}(5 \times 4 \times 6 \times 7)</math></p>     <p>Answer: _____</p>