

	<p style="text-align: center;">Integrated Math 2 More Law of Exponents</p>	<p style="text-align: right;">HW 1.19</p> <p>Name: _____ Date: _____</p>
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Home work standards:

- Complete EVERY problem.
- Use pencil ONLY.
- Show ALL work.
- Double check all answers. (Does your answer make sense?)

Directions: Simplify the following expressions using the laws of exponents. You do not need to evaluate each expression.

<p>1) <math>2 \cdot 2^3</math></p>	<p>2) <math>2^3 \cdot 3 \cdot 2 \cdot 3^5</math></p>
<p>3) <math>\frac{7^3}{7}</math></p>	<p>4) <math>\frac{2^3 \cdot 3^3 \cdot 2}{2 \cdot 3^2}</math></p>
<p>5) <math>\left(\frac{2}{3^2}\right)^3</math></p>	<p>6) <math>(3^3 \cdot 2^2)^4</math></p>
<p>7) <math>\left(\frac{3 \cdot 5^2}{3 \cdot 5}\right)^7</math></p>	<p>8) <math>3^{-7}</math></p>
<p>9) <math>196^{\frac{1}{2}}</math></p>	<p>10) <math>(100^2)^{\frac{1}{2}}</math></p>