

Name _____

Date _____

Math 8R; Mrs. Roubos

Period _____

Homework

<p>1. Simplify: $6^7 \cdot 6 \cdot 6^5$</p>	<p>2. Simplify: $2^{-7} \cdot 2^5 \cdot 2^{-5}$</p>
<p>3. What is 722,000,000 in scientific notation?</p>	<p>4. Simplify: $\frac{7^{10}}{7^2}$</p>
<p>5. Subtract. Leave answer in scientific notation. $(2.75 \times 10^5) - (1.5 \times 10^5)$</p>	<p>6. Write $<$, $>$, or $=$ between the two numbers. 7.11×10^{-2} _____ 9.2×10^{-9}</p>
<p>7. Write $<$, $>$, or $=$ between the two numbers. 9.7×10^4 _____ 9.9125×10^4</p>	<p>8. List in order from least to greatest. 1.52×10^8, 4.81×10^{-7}, 7.5×10^2, 2.6×10^{-5}</p>

<p>9. What is 0.000000025 in scientific notation?</p>	<p>10. What is the value of 7^{-2} in standard form and written with a positive exponent?</p> <p style="text-align: center;">_____ = _____</p>
<p>11. Simplify: $(5^{-5})^{-2}$</p>	<p>12. Simplify: 2156^0</p>
<p>13. Write 6.21×10^8 in standard form.</p>	<p>14. Find the quotient. Leave in scientific notation.</p> $\frac{9.3 \times 10^8}{1.5 \times 10^{-2}}$
<p>15. Add: $(6.82 \times 10^8) + (3.1 \times 10^8)$ Leave your answer in scientific notation.</p>	<p>16. Multiply: $(8.125 \times 10^5) \times 10,000$ Leave your answer in scientific notation</p>