

LESSON 7: Properties of Exponents

Homework

Name _____

Date _____

<p>1. $\frac{3^5}{3^9 \cdot 3^{12}} =$</p>	<p>2. $\frac{(4^{-2} \cdot 4^3)^8}{4^6} =$</p>
<p>3. $\frac{11^{14}}{11^9 \cdot 11^{-3}} =$</p>	<p>4. $\frac{(10^3 \cdot 10^7)^3}{10^{15}} =$</p>
<p>5. $(9^4 \cdot 9^{-6} \cdot 9^{12} \cdot 9^{-7})^3 =$</p>	<p>6. $\frac{5^{10} \cdot 5^7}{5^6} =$</p>
<p>7. $(4^{-6} \cdot 4^4)^{-6} =$</p>	<p>8. $(6^{-9} \cdot 6^{72})^0 =$</p>
<p>9. $\frac{7^9 \cdot 7}{7^6} \cdot \frac{7^{10} \cdot 7^5}{7^3} =$</p>	<p>10. $\frac{25^{25}}{25^{24}} =$</p>