

Exponents

Exponential Expressions

Lesson 1 Homework Set

1. $\left(\frac{3}{2}\right)^{-2}$

2. $\left(\frac{2}{3}\right)^{-3}$

3. 5^3

4. **What is $((3^{-10})(5^{-10}))^{-9}$?**

5. **What is $(8^{-8})^3$?**

6. **What is $(7^6)(7^{-3})$?**

7. **What is $(3^{11})(3^5)$?**

8. **What is $(4^{12})^6$?**

9. **What is $\frac{7^{12}}{7^5}$?**

10. **What is $\frac{9^{-3}}{9^{-7}}$?**