Lesson 6.1 Practice: Exponents and Powers

School Launch · Pre-Algebra · Unit 6: Exponents and Square Roots · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Evaluate 7^{3}. EASY

2. Evaluate 5^{4}. EASY

3. Evaluate 7^{2}. EASY

4. Evaluate $(-3)^{5}$. MEDIUM

5. Evaluate $(-4)^{4}$. MEDIUM

6. Evaluate $(-3)^{3}$. MEDIUM

7. Evaluate 6^{3}. MEDIUM

8. Evaluate $3^{2} \times 4^{2} - (-3)^{2}$. HARD

9. Evaluate $3^{3} \times 3^{2} - (6)^{4}$. HARD

10. Evaluate $3^{3} \times 2^{2} - (3)^{2}$. HARD