

Name _____

Date _____

Properties of Integer Exponents - Matching Worksheet

Write the letter of the answer that matches the problem.

- | | | | | |
|-------|----|-------------------------------|----|--------------------|
| _____ | 1. | Simplify $2^2 \times 2^{-4}$ | a. | 64 |
| _____ | 2. | Simplify $3^4 \times 3^{-5}$ | b. | $\frac{1}{562500}$ |
| _____ | 3. | Simplify $4^3 \times 4^{-6}$ | c. | $\frac{1}{864}$ |
| _____ | 4. | Simplify $\frac{7^{-4}}{4^2}$ | d. | $\frac{1}{64}$ |
| _____ | 5. | Simplify $\frac{3^{-3}}{2^5}$ | e. | $\frac{1}{4}$ |
| _____ | 6. | Simplify $\frac{6^{-2}}{5^6}$ | f. | $\frac{1}{3}$ |
| _____ | 7. | $(2^2)^3$ | g. | $\frac{1}{38416}$ |
| _____ | 8. | $(5^4)^2$ | h. | 10077696 |
| _____ | 9. | $(6^3)^3$ | i. | 390625 |

