

Name _____

Date _____

Properties of Exponents and Roots - Matching Worksheet

Roots and exponents are the inverse of one another. Match the root or exponent to its inverse.

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|-----------|-----------------|----|----------------|
| _____ 1. | ${}^3\sqrt{12}$ | a. | $8^{1/6}$ |
| _____ 2. | ${}^4\sqrt{2}$ | b. | 8 |
| _____ 3. | ${}^6\sqrt{8}$ | c. | 1.15 |
| _____ 4. | $(5^{1/8})^8$ | d. | 2.29 |
| _____ 5. | $(8^{1/7})^7$ | e. | 1.22 |
| _____ 6. | $(10^{1/2})^2$ | f. | 1.24 |
| _____ 7. | $7^{1/9}$ | g. | 5 |
| _____ 8. | $2^{1/5}$ | h. | ${}^4\sqrt{8}$ |
| _____ 9. | $4^{1/7}$ | i. | 1.19 |
| _____ 10. | $8^{1/4}$ | j. | 10 |

