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| **Simplifying Roots and Powers Mastery Quiz A****Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- |
| 1. $8\*8\*8\*8\*8=$

A) $5^{8}$ B)$ 8^{2}$C) $8^{5}$ D) $8^{8}$ | 1. $2^{4}=$

A) 4 B) 16C) 8 D) 32 |
| 1. $\sqrt{64}=$

A) 8 B) 32 or -32C) 8 or -8 D) 32 | 4) $\sqrt[3]{64}=$A) 4B) 4 or -4C) 32D) -16 | 5) $\sqrt{75}=$A) $25\sqrt{3}$ B) $5\sqrt{5}$ C) $3\sqrt{3}$ D) $5\sqrt{3}$ |

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