

Quotient rule

Product rule

Negative exponents

Power rule

Which of the following is equivalent to $9\sqrt{2} * 9\sqrt{2}$?

- | | | | |
|----------------|----------|-----------------|-----------------|
| a. $9\sqrt{2}$ | c. 9^4 | e. $81\sqrt{4}$ | g. $9\sqrt{4}$ |
| b. 81^2 | d. 9^2 | f. 81^4 | h. $81\sqrt{2}$ |

powered by



Which of the following is equivalent to $9\sqrt{2} * 9\sqrt{2}$?

- | | | | |
|----------------|----------|-----------------|-----------------|
| a. $9\sqrt{2}$ | c. 9^4 | e. $81\sqrt{4}$ | g. $9\sqrt{4}$ |
| b. 81^2 | d. 9^2 | f. 81^4 | h. $81\sqrt{2}$ |

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Which of the following is equivalent to $4^{(\sqrt{3}+2)} * 4^{\sqrt{3}}$?

- | | | | |
|----------------|-----------------------|-----------------------|------------------------|
| a. $4\sqrt{6}$ | c. 4^6 | e. 16^3 | g. $16^{(\sqrt{3}+1)}$ |
| b. 16^6 | d. $4^{(\sqrt{3}+2)}$ | f. $4^{(2+\sqrt{3})}$ | h. $16\sqrt{6}$ |

powered by



Which of the following is equivalent to $4\sqrt{2} * 8\sqrt{2}$?

- | | | | |
|-----------|----------------|-----------------|----------------|
| a. 4^2 | c. 4^4 | e. $32\sqrt{2}$ | g. $4\sqrt{2}$ |
| b. 32^4 | d. $4\sqrt{4}$ | f. $32\sqrt{4}$ | h. 32^2 |

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What is the value of $\frac{5^{(\sqrt{2}+3)}}{5^{(\sqrt{2}-3)}}$?

- a. $64\sqrt{4}$

- c. 8^4

- e. 64^2

- g. $64\sqrt{2}$

- a. $64\sqrt{4}$

- c. 8^4

- e. 64^2

- g. $64\sqrt{2}$

- b. $8\sqrt{4}$

- d. $8\sqrt{2}$

- f. 64^4

- h. 8^2

Which of the following is equivalent to $8^{\sqrt{2}} * 8^{\sqrt{2}}$?

Which of the following is equivalent to $8^{(\sqrt{2}+2)} * 8^{\sqrt{2}}$?

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Which of the following is equivalent to $8^{(\sqrt{2}+2)} * 8^{\sqrt{2}}$?

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What is the value of $\frac{7^{(\sqrt{2}+3)}}{7^{(\sqrt{2}-3)}}$?

- a. $8^{(\sqrt{2}+2)}$

- c. 8^4

- e. $8^{(2+\sqrt{2})}$

- g. $64^{(\sqrt{2}+1)}$

- h. 64^4

- b. $8\sqrt{4}$

- d. $64\sqrt{4}$

- f. 64^2

- h. 64^4