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DIVIDING RADICALS, WORKSHEET III

Simplify and then match the following radicals:

| | | | |
|---|-------------------------------|---|------------------------------|
| 1 | $\frac{4\sqrt{2}}{3\sqrt{5}}$ | A | $\frac{\sqrt{5}}{\sqrt{10}}$ |
| 2 | $\frac{\sqrt{4}}{4\sqrt{5}}$ | B | 2 |
| 3 | $\frac{\sqrt{6}}{4\sqrt{8}}$ | C | $\frac{4\sqrt{10}}{15}$ |
| 4 | $\frac{\sqrt{75}}{5\sqrt{3}}$ | D | $\frac{\sqrt{3}}{8}$ |
| 5 | $\frac{3\sqrt{3}}{\sqrt{12}}$ | E | 1 |
| 6 | $\frac{\sqrt{12}}{\sqrt{3}}$ | F | $\frac{3}{2}$ |

Check whether the following expressions are correct or incorrect.

| | |
|-----|--|
| 7. | $\frac{3}{-4x^2 - 5\sqrt{x^4}} = -\frac{1}{4x^2}$ |
| 8. | $\frac{5\sqrt{12}}{4\sqrt[3]{-5}} = -\frac{3\sqrt{3}}{2}$ |
| 9. | $\frac{3\sqrt{10}}{3\sqrt{32}} = \frac{3\sqrt{20}}{4}$ |
| 10. | $\frac{3^{-4}\sqrt{5m^2}}{4\sqrt{3m^3}} = \frac{3^4\sqrt{27m} - 4\sqrt{135m^3}}{3m}$ |

When you learn math
in an interesting way,
you never forget.



25 Million

Math classes &
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Math the right way

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Singapore, India, UAE & more.

Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

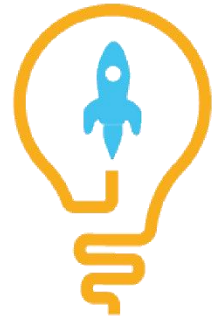
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

| | |
|-----|-----------|
| 1. | C |
| 2. | A |
| 3. | D |
| 4. | E |
| 5. | F |
| 6. | B |
| 7. | Incorrect |
| 8. | Incorrect |
| 9. | Correct |
| 10. | Correct |