9.2 Quiz No Calc

ANSWERS

1) I = 6, R = $40n^7$

2) I = 2, R = 448

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3) $\frac{5}{9}$

4) -4

5) $2xy^3z^4$

Evaluate Radicals

6) $(x-y)^3$

NOT $x^3 - y^3$

CANNOT distribute exponent over subtraction

7) No real solution

Even index cannot be negative radicand

8) $-x^4$

Approximate Radicals

9) Between $\sqrt{25}$ and $\sqrt{36}$

between 5 and 6, closer to 6

10) Between $\sqrt[3]{-8}$ and $\sqrt[3]{-27}$

between -2 and -3, closer to -2

9.2 Quiz – Calc OK

ANSWERS

Simplify Radicals

1) $4\sqrt{5}$

2) $5\sqrt{15}$

3) $\frac{1}{4}$

4) $\frac{\sqrt{2}}{4}$

5) $-80v\sqrt{6v}$

6) $9m^2n^5\sqrt{2m}$

7) $2\sqrt[3]{10}$

8) $30m\sqrt[3]{m^2}$

9) $24\sqrt[3]{6n}$

10) $3x^5\sqrt[3]{2}$

Answers to 12.2 Operations with Radicals Quiz (ID: 1)

1) $-9\sqrt{3}$

2) $12\sqrt{5} + 6\sqrt{3}$

3) 14

4) $252x^2\sqrt{7}$

5) $20\sqrt{2} + 8\sqrt{6}$

6) $5\sqrt{7v} + 7v\sqrt{3}$

7) $\frac{2\sqrt{7}}{7}$

8) $\frac{\sqrt{15n}}{5}$

#1-2: Add/subtract radicals

#3-4: multiply radicals

#5-6: distribute radicals

#7-8: divide radicals (including rationalize the denominator)