

Simplifying Radicals

Write each radical expression in the simplest form.

1) $-7\sqrt[3]{64}$

2) $-2\sqrt[3]{80}$

3) $3\sqrt[3]{864}$

4) $\sqrt{28}$

5) $\sqrt{289}$

7) $2\sqrt{63}$

9) $-\sqrt{320}$

11) $8\sqrt[3]{-256}$

12) $\sqrt{288}$

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Simplifying Radicals

Write each radical expression in the simplest form.

1) $-7\sqrt[3]{64}$

 -28

2) $-2\sqrt[3]{80}$

 $-4\sqrt[3]{10}$

3) $3\sqrt[3]{864}$

 18

4) $\sqrt{28}$

 $2\sqrt{7}$

5) $\sqrt{289}$

 17

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 $15\sqrt{3}$

7) $2\sqrt{63}$

 $6\sqrt{7}$ $-3\sqrt[3]{15}$

9) $-\sqrt{320}$

 $-8\sqrt{5}$ $-36\sqrt{5}$

11) $8\sqrt[3]{-256}$

 $-32\sqrt[3]{4}$

12) $\sqrt{288}$

 $12\sqrt{2}$