

Name: _____

L153

Simplifying Radical Expressions

Simplify each expression.

1) $-2\sqrt[3]{16} \times 4\sqrt[3]{4}$

2) $7\sqrt{8} - 13\sqrt{8}$

3) $4\sqrt[3]{9} + 9\sqrt[3]{9}$

5) $11\sqrt[3]{15} - 6\sqrt[3]{15}$

7) $\frac{\sqrt[3]{21}}{\sqrt[3]{3}}$

8) $12\sqrt{5} + 8\sqrt{5}$

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$2\sqrt{6}$

Simplifying Radical Expressions

Simplify each expression.

1) $-2\sqrt[3]{16} \times 4\sqrt[3]{4}$

-32

2) $7\sqrt{8} - 13\sqrt{8}$

$-6\sqrt{8}$

3) $4\sqrt[3]{9} + 9\sqrt[3]{9}$

$13\sqrt[3]{9}$

5) $11\sqrt[3]{15} - 6\sqrt[3]{15}$

$5\sqrt[3]{15}$

7) $\frac{\sqrt[3]{21}}{\sqrt[3]{3}}$

$\sqrt[3]{7}$

8) $12\sqrt{5} + 8\sqrt{5}$

$20\sqrt{5}$

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$2\sqrt{6}$

$0\sqrt{3}$