

## Simplifying Radical Expressions

Simplify each expression.

1)  $11\sqrt[3]{3} - 2\sqrt[3]{11} + 5\sqrt[3]{11}$

2)  $-\frac{\sqrt{98}}{8\sqrt{2}}$

3)  $-3\sqrt{27} - 2\sqrt{27}$

$3\sqrt[3]{4}$

5)  $\frac{2\sqrt[3]{180}}{\sqrt[3]{36}}$

$3\sqrt[3]{8} + 3\sqrt{9}$

7)  $6\sqrt{5} \times \sqrt{8} \times 2\sqrt{5}$

8)  $2\sqrt[3]{3} - (\sqrt[3]{2} + 2\sqrt[3]{3})$

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## Simplifying Radical Expressions

Simplify each expression.

1)  $11\sqrt[3]{3} - 2\sqrt[3]{11} + 5\sqrt[3]{11}$

$11\sqrt[3]{3} + 3\sqrt[3]{11}$

2)  $-\frac{\sqrt{98}}{8\sqrt{2}}$

$-\frac{7}{8}$

3)  $-3\sqrt{27} - 2\sqrt{27}$

$-27\sqrt{3}$

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$3\sqrt[3]{4}$

$60$

5)  $\frac{2\sqrt[3]{180}}{\sqrt[3]{36}}$

$2\sqrt[3]{5}$

$3\sqrt[3]{8} + 3\sqrt{9}$

$-6\sqrt{3}$

7)  $6\sqrt{5} \times \sqrt{8} \times 2\sqrt{5}$

$120\sqrt{2}$

8)  $2\sqrt[3]{3} - (\sqrt[3]{2} + 2\sqrt[3]{3})$

$-\sqrt[3]{2}$