

4th Period - Operations with Radical Expressions

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Simplify.

1) $3\sqrt{2} + 3\sqrt{2}$

2) $3\sqrt{12} - 2\sqrt{3}$

3) $3\sqrt{3} + 3\sqrt{27}$

4) $-2\sqrt{3} \cdot 5\sqrt{5}$

5) $2\sqrt{15} \cdot -3\sqrt{20}$

6) $-5\sqrt{8} \cdot \sqrt{6}$

7) $\frac{5\sqrt{5}}{5\sqrt{16}}$

8) $\frac{\sqrt{8}}{\sqrt{9}}$

9) $\frac{\sqrt{3}}{\sqrt{27}}$

10) $\frac{\sqrt{5} + \sqrt{3}}{3\sqrt{16}}$

11) $\frac{4 - 2\sqrt{3}}{\sqrt{9}}$

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

13) $\frac{3}{2 + \sqrt{3}}$

14) $\frac{5}{4 - \sqrt{3}}$

15) $\frac{\sqrt{2}}{3 + \sqrt{5}}$