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Adding and Subtracting Radical Expressions

Practice Worksheet A

1 Practice Problems

Simplify the radical expression.

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

5) $\sqrt{63} + \sqrt{12}$

2) $6\sqrt{7} - 4\sqrt{7}$

6) $\sqrt{32} - \sqrt{20}$

3) $\sqrt{50} - \sqrt{2}$

7) $\sqrt{24} - \sqrt{6}$

4) $\sqrt{10} + \sqrt{40}$

8) $\sqrt{42} + \sqrt{14}$

Adding and Subtracting Radical Expressions

Practice Worksheet A

1 Practice Problems

Simplify the radical expression.

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

$5\sqrt{2}$

5) $\sqrt{63} + \sqrt{12}$

$3\sqrt{7} + 2\sqrt{3}$

2) $6\sqrt{7} - 4\sqrt{7}$

$2\sqrt{7}$

6) $\sqrt{32} - \sqrt{20}$

$4\sqrt{2} - 2\sqrt{5}$

3) $\sqrt{50} - \sqrt{2}$

$4\sqrt{2}$

7) $\sqrt{24} - \sqrt{6}$

$\sqrt{6}$

4) $\sqrt{10} + \sqrt{40}$

$3\sqrt{10}$

8) $\sqrt{72} + \sqrt{8}$

$8\sqrt{2}$