

Name : _____

Score : _____

Teacher : Unit 8 B Cruz

Date : _____

Simplify the Radicals

1) $\sqrt{98} =$

2) $6\sqrt{242} =$

3) $\sqrt{25} =$

4) $\sqrt{256} =$

5) $11\sqrt{300} =$

6) $\sqrt{36} =$

7) $12\sqrt{54} =$

8) $\sqrt{567} =$

9) $\sqrt{96} =$

10) $\sqrt{12} =$

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~~MULTIPLYING~~
Adding and Subtracting Radical Expressions

Simplify the Radical Expressions.

1) $\sqrt{80} + \sqrt{112} + \sqrt{45} - \sqrt{28}$

2) $-6\sqrt{5} - 7\sqrt{5} + 3\sqrt{45}$

3) $-\sqrt{20} - \sqrt{20} - \sqrt{20}$

4) $-6\sqrt{5} + 7\sqrt{5} - 8\sqrt{5}$

5) $\sqrt{96} + \sqrt{96}$

Simplify the Radical Expressions.

1) $7\sqrt{99} \cdot \sqrt{112}$

2) $-\sqrt{44c} \cdot -\sqrt{112c}$

3) $-\sqrt{20d} \cdot \sqrt{99d}$

4) $\sqrt{44g} \cdot -5\sqrt{27g}$

5) $-2\sqrt{44} \cdot 7\sqrt{112}$