

Name: _____
Date: _____
Class: _____

Algebra
Unit 9
HW 9-3

1) Simplify: $\sqrt{364500}$

2) Simplify: $(\sqrt{15x})(\sqrt{3x})$

3) Simplify: $(5\sqrt{12})(4\sqrt{3})$

4) Simplify: $(11\sqrt{72})(5\sqrt{45}) + 2\sqrt{250}$

5) Simplify: $\frac{12\sqrt{20}}{3\sqrt{5}}$

6) Simplify: $\frac{a\sqrt{b^3c^4}}{\sqrt{a^2b}}$

7) Simplify: $\frac{\sqrt{2x^2y^3z}}{\sqrt{6y}}$

8) Simplify: $8\sqrt{2}(3\sqrt{5} - 5\sqrt{2}) + \frac{\sqrt{720}}{\sqrt{2}} - 3\sqrt{25}$