



NAME _____

Module 17 Simplifying Radical Expressions
Lesson 4 Dividing Radicals

Set 1

1. Simplify: $\sqrt{\frac{625}{64}}$ $\frac{25}{8}$ _____
2. Simplify: $\frac{\sqrt{32a^3}}{\sqrt{2a}}$ $\frac{4|a|}{1}$ _____
3. Simplify: $\sqrt{\frac{81}{11}}$ $\frac{9\sqrt{11}}{11}$ _____
4. Simplify: $\sqrt{\frac{3}{10}}$ $\frac{\sqrt{30}}{10}$ _____
5. Simplify: $\sqrt{\frac{g^3}{7g}}$ $\frac{|g|\sqrt{7}}{7}$ _____

Set 2

1. Simplify: $\frac{1}{5 - \sqrt{11}}$ $\frac{5 + \sqrt{11}}{14}$ _____
2. Simplify: $\frac{13}{2 + \sqrt{7}}$ $\frac{26 - 13\sqrt{7}}{-3}$ _____
3. Simplify: $\frac{\sqrt{2}}{2 + \sqrt{2}}$ $\frac{\sqrt{2} - 1}{1}$ _____
4. Simplify: $\frac{4}{\sqrt{3} + \sqrt{5}}$ $\frac{-2\sqrt{3} + 2\sqrt{5}}{1}$ _____

