

# Division of Radicals Worksheet

## *Lions, Square Roots, and Fractions, Oh My*

Simplify. The answer should not have radicals in the denominator.

1.  $\sqrt{\frac{3}{15}}$

6.  $\frac{7}{\sqrt{7}}$

2.  $\sqrt{\frac{60}{45}}$

7.  $\frac{\sqrt{x^2y}}{\sqrt{xy^2}}$

3.  $\frac{\sqrt{10}}{\sqrt{2}}$

8.  $\frac{\sqrt{324}}{\sqrt{392}}$

4.  $\frac{\sqrt{x^2+y^2}}{\sqrt{x+y}}$

9.  $\frac{\sqrt{y^2+5y+6}}{\sqrt{y^2+3y+2}}$

5.  $\frac{\sqrt{(5)^2-(3)^2}}{\sqrt{5}}$

10.  $\frac{\sqrt{a^2-b^2}}{\sqrt{a-b}}$

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