

# Algebra I

11-7

Multiplying and Dividing  
with Radicals

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Multiplying Radicals -

$$(3\sqrt{2})(4\sqrt{7})$$

Dividing Radicals -

$$\frac{15\sqrt{12}}{2\sqrt{3}}$$

Simplifying Radicals -

1)

2)

3)

Simplify. For each do part

a) as a decimal to the nearest hundredth,

b) simplified.

(pg 538)

5)  $2\sqrt{5} \cdot \sqrt{7}$

15)  $\sqrt{\frac{8}{11}} \cdot \sqrt{\frac{22}{32}}$

21)  $\sqrt{\frac{10}{13}} \cdot \sqrt{\frac{1}{2}}$

25)  $3\sqrt{\frac{48}{9}}$

Simplify. (no part a)

$$33) (4\sqrt{a^2b})(3\sqrt{b})$$

$$41) \sqrt{32} \cdot \sqrt{2x} \cdot \sqrt{3x}$$

Assignment: pg. 538 2-46 even, (part <i>a</i> up to 32)
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