

# Algebra II

6-4

## Binomials Containing Radicals

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Simplify. (pg 275)

1)  $(3 + \sqrt{7})(3 - \sqrt{7})$

13)  $\frac{3}{\sqrt{5} + \sqrt{2}}$

Simplify. Assume each radical represents a real number.

41)  $(\sqrt{n+1} + \sqrt{n})(\sqrt{n+1} - \sqrt{n})$

33) If  $f(x) = \frac{x}{x+1}$ , find  $f(1 - \sqrt{2})$

Assignment:  
Pg. 275  
1-34 all,  
42-46 all.