

## Algebra 2: Homework 33

Solve:

1.  $y - 2 = \sqrt{y}$

2.  $5 + \sqrt{4y - 3} = 2$

3.  $2\sqrt{y + 7} - \sqrt{y + 25} = 0$

Solve by completing the square:

4.  $x^2 - 6x + 8 = 0$

5.  $x^2 - 4x = 7$

Express in simplest radical form:

6.  $\frac{4}{\sqrt{12}}$

7.  $\frac{\sqrt{5} - \sqrt{7}}{\sqrt{5}}$

8.  $\frac{6}{\sqrt{5} + 2}$

9.  $\frac{3 + \sqrt{2}}{\sqrt{2} - 5}$