

## HW: Solving Square Root Equations

Solve each equation. Leave answers as simplified improper fractions or square roots, where applicable.

**SHOW YOUR WORK ON ADDITIONAL PAPER!**

**Solve without a Calculator - Check your answer with a calculator!**

1.  $\sqrt{2x-5}=4$

2.  $2\sqrt{3x+1}-7=9$

3.  $\frac{3\sqrt{x+1}}{4}-\frac{7}{6}=\frac{1}{3}$

4.  $\sqrt{5x-1}+\frac{\sqrt{12}}{3}=\frac{\sqrt{75}}{2}$

5.  $\sqrt{x+7}-\sqrt{x+1}=2$

6.  $\sqrt{2x+1}-\sqrt{2x-1}=1$