

Algebra 1 – Homework – Simplifying Radicals

YOU MUST SHOW ALL WORK TO RECEIVE CREDIT

Simplify the following radicals.

Name: _____

1. $\sqrt{63}$

1. _____

2. $\sqrt{80}$

2. _____

3. $-3\sqrt{54}$

3. _____

4. $6\sqrt{100}$

4. _____

5. $\frac{6+2\sqrt{75}}{4}$

5. _____

6. $\frac{2-3\sqrt{64}}{6}$

6. _____

7. Explain how you would solve an equation by factoring.

8. What is the **sum** of the solutions of $-12x - 15 = -3x^2$?

8. _____