

# 8.7 worksheet #1

Kuta Software - Infinite Algebra 1

Name \_\_\_\_\_

## Simplifying Radical Expressions

Date \_\_\_\_\_ Period \_\_\_\_\_

Simplify.

1)  $\sqrt{125n}$

2)  $\sqrt{216v}$

3)  $\sqrt{512k^2}$

4)  $\sqrt{512m^3}$

5)  $\sqrt{216k^4}$

6)  $\sqrt{100v^3}$

7)  $\sqrt{80p^3}$

8)  $\sqrt{45p^2}$

9)  $\sqrt{147m^3n^3}$

10)  $\sqrt{200m^4n}$

11)  $\sqrt{75x^2y}$

12)  $\sqrt{64m^3n^3}$

13)  $\sqrt{16u^4v^3}$

14)  $\sqrt{28x^3y^3}$

## 8.7 Worksheet #1

simplify $\sqrt{100}$	2. $\sqrt{50}$	3. $\sqrt{45}$
$\sqrt{72}$	5. $\sqrt{128}$	6. $\sqrt{48}$
$\sqrt{160}$	8. $\sqrt{169}$	9. $\sqrt{300}$
$\sqrt{162}$	11. $\sqrt{8}$	12. $\sqrt{27}$
3. $\sqrt{75}$	14. $\sqrt{\frac{16}{25}}$	15. $\sqrt{\frac{25}{81}}$
5. $\sqrt{243}$	17. $\sqrt{18}$	18. $\sqrt{180}$