

## Simplifying Radical Expressions Part 1 - PRACTICE

Date \_\_\_\_\_

**Simplify.**

1)  $\sqrt{128}$

2)  $\sqrt{108}$

3)  $\sqrt{72}$

4)  $-6\sqrt{27}$

5)  $\sqrt{12x^{13}y^9z^4}$

6)  $\sqrt{75hj^{10}k^{13}}$

7)  $\sqrt{8xy}$

8)  $8\sqrt{98x^3y^4z}$

**Write each expression in exponential form.**

9)  $\sqrt[4]{3a}$

10)  $(\sqrt{n})^5$

11)  $(\sqrt{p})^3$

**Write each expression in radical form.**

12)  $(2n)^{\frac{5}{6}}$

13)  $x^{\frac{5}{3}}$

14)  $(10k)^{\frac{7}{4}}$