

## HW 6.6

Date \_\_\_\_\_ Algebra \_\_\_\_\_

**Simplify. Show all of your work and clearly circle your answer!**

1)  $\sqrt{x^4y^3}$

2)  $\sqrt{a^9b^4}$

3)  $\sqrt{128k^3}$

4)  $\sqrt{72n^2}$

5)  $5\sqrt{128m^9}$

6)  $-5\sqrt{112a^4}$

$$7) \sqrt{75x^2y}$$

$$8) \sqrt{32x^5y^4}$$

$$9) -\sqrt{16u^2v}$$

$$10) 4\sqrt{30a^4b}$$

$$11) -5\sqrt{48x^3y^8z}$$

$$12) -\sqrt{125x^2yz^2}$$