

## Assignment

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

**Simplify.**

1)  $\sqrt{448x}$

2)  $\sqrt{288v^2}$

3)  $\sqrt{294x^4}$

4)  $\sqrt{343p^4}$

5)  $7\sqrt{125m}$

6)  $7\sqrt{147n^4}$

7)  $-7\sqrt{32x^2}$

8)  $-3\sqrt{256r^4}$

9)  $-\sqrt{3} \cdot \sqrt{2}$

10)  $3\sqrt{12} \cdot -5\sqrt{15}$

11)  $2\sqrt{10} \cdot \sqrt{2}$

12)  $\sqrt{20} \cdot \sqrt{15}$

13)  $\frac{\sqrt{4}}{3\sqrt{3}}$

14)  $\frac{\sqrt{6}}{\sqrt{15}}$

15)  $\frac{5}{2\sqrt{5}}$

16)  $\frac{\sqrt{5}}{\sqrt{3}}$

## Assignment

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

**Simplify.**

$$1) \sqrt{448x}$$

$$8\sqrt{7x}$$

$$2) \sqrt{288v^2}$$

$$12v\sqrt{2}$$

$$3) \sqrt{294x^4}$$

$$7x^2\sqrt{6}$$

$$4) \sqrt{343p^4}$$

$$7p^2\sqrt{7}$$

$$5) 7\sqrt{125m}$$

$$35\sqrt{5m}$$

$$6) 7\sqrt{147n^4}$$

$$49n^2\sqrt{3}$$

$$7) -7\sqrt{32x^2}$$

$$-28x\sqrt{2}$$

$$8) -3\sqrt{256r^4}$$

$$-48r^2$$

$$9) -\sqrt{3} \cdot \sqrt{2}$$

$$-\sqrt{6}$$

$$10) 3\sqrt{12} \cdot -5\sqrt{15}$$

$$-90\sqrt{5}$$

$$11) 2\sqrt{10} \cdot \sqrt{2}$$

$$4\sqrt{5}$$

$$12) \sqrt{20} \cdot \sqrt{15}$$

$$10\sqrt{3}$$

$$13) \frac{\sqrt{4}}{3\sqrt{3}}$$

$$\frac{2\sqrt{3}}{9}$$

$$14) \frac{\sqrt{6}}{\sqrt{15}}$$

$$\frac{\sqrt{10}}{5}$$

$$15) \frac{5}{2\sqrt{5}}$$

$$\frac{\sqrt{5}}{2}$$

$$16) \frac{\sqrt{5}}{\sqrt{3}}$$

$$\frac{\sqrt{15}}{3}$$