

Name: _____

Math is Gold

Date: _____

Topic: Radicals

(id:rad_prd_A.1)

Title: Simplify the radicals (Assume all the variables are non-negative)

1) $\sqrt{49x^2}$

2) $\sqrt{125x^4}$

3) $\sqrt{100x^2y^3}$

4) $\sqrt{72a^3b^3}$

5) $\sqrt{400p^4q}$

6) $\sqrt{50p^5q^5}$

$$7) \sqrt{200x^7y^4}$$

$$8) 5\sqrt{2x^5y^3} \cdot 2\sqrt{8x^3y^5}$$

$$9) -2\sqrt{3a^2b^3} \cdot 3\sqrt{24a^6b^2}$$

$$10) -5\sqrt{8p^8q^3} \cdot 3\sqrt{2p^2q^2}$$

$$11) 5\sqrt{36x^4y^4z}$$

$$12) 3\sqrt{75p^2q^2r}$$

$$13) 4\sqrt{50x^2y^4z^3}$$

$$14) -2\sqrt{98a^3b^4c^7}$$

$$15) \sqrt{24p^4q^2r^3}$$