

Name : _____ Score : _____

Teacher : _____ Date : _____

Simplifying Radical Expressions

Simplify each Radical Expression. If necessary use absolute value signs.

1) $\sqrt{180q^5c^5}$

6) $\sqrt{32p^3t}$

2) $\sqrt{80w^7}$

7) $\sqrt{176n}$

3) $\sqrt{80d^7y}$

8) $\sqrt{99}$

4) $\sqrt{16}$

9) $\sqrt{4}$

5) $\sqrt{12s}$

10) $\sqrt{448s^3c^5}$



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Simplify each Radical Expression. If necessary use absolute value signs.

$$1) \sqrt{180q^5c^5}$$
$$6q^2c^2 \sqrt{5qc}$$

$$6) \sqrt{32p^3t}$$
$$4p \sqrt{2pt}$$

$$2) \sqrt{80w^7}$$
$$4w^3 \sqrt{5w}$$

$$7) \sqrt{176n}$$
$$4 \sqrt{11n}$$

$$3) \sqrt{80d^7y}$$
$$4d^3 \sqrt{5dy}$$

$$8) \sqrt{99}$$
$$3 \sqrt{11}$$

$$4) \sqrt{16}$$
$$4$$

$$9) \sqrt{4}$$
$$2$$

$$5) \sqrt{12s}$$
$$2 \sqrt{3s}$$

$$10) \sqrt{448s^3c^5}$$
$$8sc^2 \sqrt{7sc}$$

