

Name : _____

Score : _____

Teacher : _____

Date : _____

Simplifying Radical Expressions

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

1) $\sqrt[3]{189q^7g^2}$

6) $\sqrt{108c^3d^3}$

2) $\sqrt{405y^5w^5}$

7) $\sqrt[3]{16s^2}$

3) $\sqrt[3]{64}$

8) $\sqrt{147c}$

4) $\sqrt{16z^2}$

9) $\sqrt[3]{128}$

5) $\sqrt{63}$

10) $\sqrt[3]{8}$



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Simplifying Radical Expressions

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

$$1) \sqrt[3]{189q^7g^2}$$
$$3q^2 \sqrt[3]{7qg^2}$$

$$6) \sqrt{108c^3d^3}$$
$$6cd \sqrt{3cd}$$

$$2) \sqrt{405y^5w^5}$$
$$9y^2w^2 \sqrt{5yw}$$

$$7) \sqrt[3]{16s^2}$$
$$2 \sqrt[3]{2s^2}$$

$$3) \sqrt[3]{64}$$
$$4$$

$$8) \sqrt{147c}$$
$$7 \sqrt{3c}$$

$$4) \sqrt{16z^2}$$
$$4z$$

$$9) \sqrt[3]{128}$$
$$4 \sqrt[3]{2}$$

$$5) \sqrt{63}$$
$$3 \sqrt{7}$$

$$10) \sqrt[3]{8}$$
$$2$$

