

Name : _____

Score : _____

Teacher : _____

Date : _____

Simplifying Radical Expressions

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

1) $\sqrt[4]{81g^4}$

6) $\sqrt{80b}$

2) $\sqrt[5]{1215}$

7) $\sqrt[3]{189}$

3) $\sqrt{28b^5t^3}$

8) $\sqrt[5]{243z^5}$

4) $\sqrt[3]{40k^7}$

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

5) $\sqrt[4]{567y^9t^3}$

10) $\sqrt[5]{1701c^4}$



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Simplifying Radical Expressions

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

$$1) \sqrt[4]{81g^4}$$
$$3g$$

$$6) \sqrt{80b}$$
$$4\sqrt{5b}$$

$$2) \sqrt[5]{1215}$$
$$3\sqrt[5]{5}$$

$$7) \sqrt[3]{189}$$
$$3\sqrt[3]{7}$$

$$3) \sqrt{28b^5t^3}$$
$$2b^2t\sqrt{7bt}$$

$$8) \sqrt[5]{243z^5}$$
$$3z$$

$$4) \sqrt[3]{40k^7}$$
$$2k^2\sqrt[3]{5k}$$

$$9) \sqrt[3]{64}$$
$$4$$

$$5) \sqrt[4]{567y^9t^3}$$
$$3y^2\sqrt[4]{7yt^3}$$

$$10) \sqrt[5]{1701c^4}$$
$$3\sqrt[5]{7c^4}$$

