

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Period: \_\_\_\_\_

Date : \_\_\_\_\_

---

## IM2 – 1.2 (P – bV3 MathAids B) Simplifying Radicals

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

1)  $\sqrt[3]{88w^7b^4}$

6)  $\sqrt[4]{112}$

2)  $\sqrt[4]{80p^5b^3}$

7)  $\sqrt{125k^7s^3}$

3)  $\sqrt[3]{189z^2}$

8)  $\sqrt[3]{128g^6}$

4)  $\sqrt{32}$

9)  $\sqrt[3]{27}$

5)  $\sqrt[4]{16x^4}$

10)  $\sqrt[4]{32n^7}$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Simplifying Radical Expressions

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

$$1) \sqrt[3]{88w^7b^4}$$
$$2w^2b \sqrt[3]{11wb}$$

$$6) \sqrt[4]{112}$$
$$2 \sqrt[4]{7}$$

$$2) \sqrt[4]{80p^5b^3}$$
$$2p \sqrt[4]{5pb^3}$$

$$7) \sqrt{125k^7s^3}$$
$$5k^3s \sqrt{5ks}$$

$$3) \sqrt[3]{189z^2}$$
$$3 \sqrt[3]{7z^2}$$

$$8) \sqrt[3]{128g^6}$$
$$4g^2 \sqrt[3]{2}$$

$$4) \sqrt{32}$$
$$4 \sqrt{2}$$

$$9) \sqrt[3]{27}$$
$$3$$

$$5) \sqrt[4]{16x^4}$$
$$2x$$

$$10) \sqrt[4]{32n^7}$$
$$2n \sqrt[4]{2n^3}$$

