

5.2 Simplifying Radicals (Square and Cube Root)

Date _____ Period _____

Simplify each cube root.

1) $\sqrt[3]{192}$

2) $\sqrt[3]{-256}$

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

4) $\sqrt[3]{250}$

Simplify.

5) $\sqrt[3]{320x}$

6) $\sqrt{125n^4}$

$$7) -8\sqrt{245x^2}$$

$$8) -3\sqrt[3]{54n^5}$$

$$9) \sqrt[3]{-162a^2b^4}$$

$$10) \sqrt{252m^3n^4}$$

$$11) \sqrt[3]{-32x^8y^4}$$

$$12) \sqrt[3]{64xy^3}$$

$$13) 2\sqrt[3]{216m^2n^2}$$

$$14) 2\sqrt{144x^4y^4}$$