Name: Date: Period:\_\_

Fractional Exponent Practice

Simplify the following expressions.

1. -12n – 18n + 9(4n + 3) 2. -6(3m + 2) – 6m + (-13)

3. 8(z2 + 3) – 19z2 + 14 4. 2p4 + 3p + 12 – 18p4 – p – 7

Write each expression in radical form.

5. $(10n)^{\frac{1}{7}}$ 6. $a^{\frac{1}{8}}$ 7. . $10y^{\frac{1}{7}}$

Write each expression in exponential form.

8.$\sqrt[4]{5}$ 9. $\sqrt[3]{3x}$ 10. $4\sqrt[5]{32}$

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