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NAME _____ DATE _____

Chapter 9 Review**A Lot of Lotto?**

A local charity is holding a penny lottery to raise money. Work through the problems below to find out how much the charity raised.

_____ 1. $(3x^4)(6x^3)$

_____ 2. Divide the answer to Exercise 1 by $9x^6$.

_____ 3. Multiply the answer to Exercise 2 by $x^2 - 3x - 1$.

_____ 4. Add $6x^2 + 4x$ to the answer to Exercise 3.

_____ 5. Subtract $2x^3 + x - 5$ from your answer to Exercise 4.

_____ 6. Multiply your answer from Exercise 5 by $x + 6$.

_____ 7. Substitute $x = 20$ into your answer to Exercise 6. Write the result in scientific notation.

_____ 8. Multiply your answer from Exercise 7 by 3.8×10^3 . Write the result in scientific notation.

Write the final answer in standard form. _____ pennies

How many dollars did the fund-raiser generate? _____

Answers are located on page 112.