

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. $x(x - 2)$

_____ 2. Subtract $2x - 4$ from the answer to Exercise 1.

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

_____ 4. Multiply the answer to Exercise 3 by $\frac{1}{4}$.

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

_____ 6. Multiply your answer from Exercise 5 by $5x + 10$.

_____ 7. Multiply your answer to Exercise 6 by $2x^2$.

_____ 8. Substitute $x = 10$ into your answer from Exercise 7.

Write the final answer in pennies. _____ pennies

How many dollars did the fund-raiser generate? _____

Answers are located on page 116.