

Practice SpringBoard—Algebra 1

Study Guide

Name _____ Period _____

1. $2x - 6 = 14$

2. $3x - 5 + 2x = -8$

3. $5x + 9 = 2x - 5$

4. $\frac{x-2}{3} = 8$

5. $4x - (3 - 7x) = -7 + 3x$

6. $3(x - 4) + 4x = -8x - 2$

7. $\frac{1}{4}x - 5 = \frac{2}{4}x + 3$

8. $\frac{1}{8}x + 9 = -5 - \frac{3}{8}x$

Sydney was in charge of ticket sales for the upcoming track meet. The cost of tickets was \$4 for students and \$5 for adults. They collected \$780 from ticket sales. There were a total of 220 tickets sold.

9. We will use x for the amount of student tickets sold. Write an expression for the amount of adult tickets sold.

10. Write an equation to determine the value of x .

11. Solve the equation to determine how many students attended.

12. How many adults attended?

Answer Key To Springboard Algebra 1 Unit 3

Jin-Ying Zhang



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