Name _____ Date _____ Period _____

Write and Solve Two Step Equations

Solve each equation. Show <u>all</u> steps. Show your check.

1. $5x + 3 = 23$

2. $4 = 3a - 14$

3. $-9 + 6k = 15$

4. $12d + 15 = 3$

5. $-4 = \dfrac{r}{20} - 5$

6. $42 = 18 - 4x$

7. **Ms. Chang's class decides to order posters that advertise the walkathon. Posters by Sue charges $15 plus $0.50 per poster.**

   a. Write an equation that represents the total cost C the class will pay for any number of posters p.

   b. The class orders 14 posters. What is the total cost? Replace one of the variables in the equation from part (a) and solve to find the answer. Show <u>all</u> steps.

   c. The class has a budget of $28 for posters. How many posters can they order? Replace one of the variables in the equation from part (a) and solve to find the answer. Show <u>all</u> steps.