

Name: _____

Date: _____

BLM 10-11

Section 10.4 Extra Practice

1. Model each equation with algebra tiles. Then, solve. Check your solutions.

a) $4(d - 3) = -8$

b) $-6 = -3(k - 4)$

c) $-5(p + 5) = -20$

d) $14 = 2(s + 5)$

2. Solve each equation. Verify your answers.

a) $42 = 7(y + 4)$

b) $-4(c - 10) = 40$

c) $-1(r + 8) = 0$

d) $-18 = 6(j - 5)$

3. Show whether $x = 4$ is the solution to each equation.

a) $2(x + 7) = 22$

b) $-15 = -3(x - 9)$

c) $24 = 8(x - 1)$

d) $-5(x + 2) = -30$

4. If you take the number of points the Panthers football team scored in their first game, add the 21 points they scored in their second game, and double the total, you will get 62 total points. How many points did they score in their first game?

5. During a school fundraiser, Room 19 raised triple the amount of money that Rooms 16 and 17 raised together. Room 19 brought in \$1095. Room 16 brought in \$165. What was the total amount of money raised by Room 17?