B2 Worksheet #2 (section 10.2)

Ms.Stromgren
Math 8

1. Solve and check:

    a) $2x + 5 = 9$ **b)** $11 = 3x + 2$

    c) $4x + 1 = 5$ **d)** $x + 7 = 10$

2. Solve and check:

    a) $3x - 2 = 7$ **b)** $-2x + 3 = -5$

    c) $4x + 1 = -3$ **d)** $12 = 5x + 2$

3. Solve and check:

    a) $23 = 5t + 3$ **b)** $-2f - 3 = 11$

    c) $3w + 20 = -7$ **d)** $-10 = 2q - 12$

4. Show whether $x = 6$ is the solution to each equation.

   a) $4x + 10 = 34$ **b)** $-15 = 3 - 3x$

   c) $-10 + 3x = 28$ **d)** $-5x - 12 = -42$

5. In a recent football game, the Spartans scored 47 points. This total included four field goals, worth three points each. The rest were converted touchdowns, worth seven points each. Write and solve an equation to find out how many converted touchdowns the Spartans scored.