Quiz - Solving Two Step Linear Equations

Outcome PR2 - Model and Solve Problems Using Linear Equations

1) Solve each equation:

   a) $2x + 5 = 9$

   b) $-2b + 3 = -5$

   c) $11 = -2n - 3$

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2) Show whether $x = 6$ is the solution to the equation.

   $4x + 10 = 34$

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3) In a recent football game, the Lancers scored 47 points. This total included four field goals, worth 3 points each. The rest were converted touchdowns, worth 7 points each. How many converted touchdowns did the Lancers score?

   a) Write an equation to represent this situation.

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   b) Solve the equation.

4) Solve each equation:

a) $\dfrac{v}{4} - 6 = 4$

b) $-4 + \dfrac{n}{11} = -1$

c) $4 = 2 + \dfrac{t}{-8}$

5) Show whether $x = -12$ is the solution to the equation.

$$\dfrac{x}{-3} + 6 = 2$$

6) Half of Scott's age added to 2 equals the age of his sister who is 11. How old is Scott?

a) Write an equation to represent this situation.

b) Solve the equation.

$\overline{}$ 3

$\overline{}$ 1

$\overline{}$ 2