Practice worksheet | Linear equations

Checking solutions by substitution

Name: _____ Date: _____

6 questions | 14 marks

1. Check whether $x = 9$ solves $x + 8 = 17$. [2 marks]

2. Check whether $m = 4$ solves $5m = 25$. [2 marks]

3. Check whether $a = 6$ solves $3(a + 2) = 24$. [2 marks]

4. Check whether $n = 12$ solves $n \div 4 + 2 = 5$. [2 marks]

5. Which of 3, 4 and 5 solves $4t - 3 = 13$? Show the successful check. [3 marks]

6. A student says $b = 5$ solves $2(b + 4) = 14$ because $2 \times 5 + 4 = 14$. Explain the error and check $b = 3$. [3 marks]