Lesson 10.1 Practice: Equations and Solutions

School Launch · Pre-Algebra · Unit 10: Equations and Inequalities · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Is $x = -1$ a solution of $3x - 10 = -19$? Show the substitution. EASY

2. Is $x = 2$ a solution of $5x + 13 = 23$? Show the substitution. EASY

3. Is $x = -7$ a solution of $4x - 9 = -37$? Show the substitution. EASY

4. Is $x = 5$ a solution of $6x - 14 = 16$? Show the substitution. MEDIUM

5. Is $x = 7$ a solution of $7x - 14 = 49$? Show the substitution. MEDIUM

6. Is $x = 2$ a solution of $3x + 12 = 18$? Show the substitution. MEDIUM

7. Is $x = 1$ a solution of $6x - 9 = -3$? Show the substitution. MEDIUM

8. Is $x = 8$ a solution of $3x + 13 = 37$? Show the substitution. HARD

9. Is $x = 10$ a solution of $5x - 15 = 30$? Show the substitution. HARD

10. Is $x = -7$ a solution of $7x - 13 = -62$? Show the substitution. HARD