Lesson 2.2 Practice: Multi-Step Equations

School Launch · Algebra I · Unit 2: Solving Linear Equations · 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. Solve: $3x + 7 = -2$. EASY

2. Solve: $-4x + 10 = 46$. EASY

3. Solve: $4x + 2 = 6$. EASY

4. Solve: $3(4x + 13) + x = -13$. MEDIUM

5. Solve: $5(-4x + 10) + 5x = 95$. MEDIUM

6. Solve: $2(3x + 12) - 3x = 0$. MEDIUM

7. Solve: $6(4x + 12) - 4x = -8$. MEDIUM

8. Solve: $3(8x - 7) + 9x = 23$. HARD

9. Solve: $5(-5x + 9) - 3x = -\frac{89}{3}$. HARD

10. Solve: $2(-5x - 9) - 7x = -69$. HARD