Lesson 10.5 Practice: Multi-Step Equations

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. Solve $2(x - 8) = -24$. EASY

2. Solve $7(x - 2) = -49$. EASY

3. Solve $4(x + 7) = 20$. EASY

4. Solve $3x - 5 + 2x = 40$. MEDIUM

5. Solve $3x + 3 + 5x = -29$. MEDIUM

6. Solve $7x - 7 + 4x = -106$. MEDIUM

7. Solve $6x - 6 + 4x = -96$. MEDIUM

8. Solve $7(x - 2) = 13x - 2$. HARD

9. Solve $3(x - 7) = 5x + 7$. HARD

10. Solve $7(x + 2) = 9x + 10$. HARD