Lesson 10.7 Practice: Inequalities

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 $7x + 2 \leq 65$ and describe the graph on a number line. EASY

2. Solve $7x + 9 > -40$ and describe the graph on a number line. EASY

3. Solve $4x - 9 > -45$ and describe the graph on a number line. EASY

4. Solve $5x - 4 > -14$ and describe the graph on a number line. MEDIUM

5. Solve $4x - 6 > 18$ and describe the graph on a number line. MEDIUM

6. Solve $-5x - 2 < 28$ and describe the graph on a number line. MEDIUM

7. Solve $4x + 15 > 43$ and describe the graph on a number line. MEDIUM

8. Solve $7x - 6 \geq -27$ and describe the graph on a number line. HARD

9. Solve $-8x + 1 \leq 81$ and describe the graph on a number line. HARD

10. Solve $1x - 6 > 2$ and describe the graph on a number line. HARD