

Name: _____

Date: _____

UNIT 1 • INTRODUCTION TO FUNCTIONS AND EQUATIONS

A-REI.3

Lesson 1.6: Solving Linear Inequalities

Practice 1.6: Solving Linear Inequalities

A

Find the solution to each inequality.

1. $3x + 1 > 2x + 7$

2. $4 - 3x \geq 16 + x$

3. $2x + 5 \geq 14 + \frac{7}{3}x$

4. $8x < 5(2x + 4)$

5. $5x \leq 10 + 2(3x - 4)$

6. $2(x - 4) \leq 2 + 3(x - 6)$

7. $4 - 5(x - 2) \leq -2(-9 + 2x)$

8. $10x + x + 10 > 8x$

9. $12x + 3x - 1 < 8x + x$

10. $\frac{4x}{5} + 6 < 3x + 4$