

Unit 6: Expressions, Equations, and Inequalities

PRACTICE

Name: _____ Date: _____

Solve each equation or inequality. Show your work and write your final answer.

1. Solve for x : $3x + 5 = 20$

Answer: _____

2. Solve for x : $4x - 7 = 13$

Answer: _____

3. Solve for x : $2x + 9 = 3$

Answer: _____

4. Solve for x : $6x - 11 = -35$

Answer: _____

5. Solve for x : $x/4 + 2 = 7$

Answer: _____

6. Solve for x : $x/3 - 5 = 1$

Answer: _____

7. Solve for x : $-2x + 8 = 20$

Answer: _____

8. Solve for x : $5x + 3 = 8$. Write the answer as a fraction.

Answer: _____

9. Solve for x : $8x - 6 = 2$. Write the answer as a fraction.

Answer: _____

10. Solve the inequality for x : $2x + 4 > 10$

Answer: _____

11. Solve the inequality for x : $3x - 7 < 8$

Answer: _____

12. Solve the inequality for x : $-4x + 1 \geq 13$

Answer: _____