

Unit 6: Expressions, Equations, and Inequalities

CONCEPT

Name: _____ Date: _____

Solve each problem. Show your work and write your final answer on the line.

1. Solve for x : $2x + 3 = 11$

Answer: _____

2. Solve for x : $3x + 4 = 19$

Answer: _____

3. Solve for x : $5x - 2 = 13$

Answer: _____

4. Solve for x : $4x + 1 = 9$

Answer: _____

5. Solve for x : $2x - 5 = 7$

Answer: _____

6. Solve for x : $6x + 2 = 20$

Answer: _____

7. Solve for x : $x/2 + 3 = 7$

Answer: _____

8. Solve for x : $x/3 + 1 = 4$

Answer: _____

9. Solve the inequality for x : $2x + 1 > 7$. Write your answer in the form $x > a$, giving just the value of a .

Answer: _____

10. Solve the inequality for x : $3x - 2 > 10$. Write your answer in the form $x > a$, giving just the value of a .

Answer: _____

11. Solve for x : $7x + 3 = 24$

Answer: _____

12. Solve the inequality for x : $4x + 5 > 13$. Write your answer in the form $x > a$, giving just the value of a .

Answer: _____