

Unit 3: Equations and Inequalities

CONCEPT

Name: _____ Date: _____

Solve each equation or inequality for x . Give the exact value (or range) for x .

1. Solve for x : $x + 8 = 15$

Answer: _____

2. Solve for x : $6x = 42$

Answer: _____

3. Solve for x : $x - 5 = 11$

Answer: _____

4. Solve for x : $x/3 = 4$

Answer: _____

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

Answer: _____

6. Solve for x : $4x - 5 = 19$

Answer: _____

7. Solve for x : $3(x + 2) = 18$

Answer: _____

8. Solve for x : $5(x + 1) = 30$

Answer: _____

9. Solve the inequality for x : $x + 6 > 10$

Answer: _____

10. Solve the inequality for x : $4x < 28$

Answer: _____

11. Solve the inequality for x : $2x - 3 < 7$

Answer: _____

12. Solve for x : $2(x + 4) = 14$

Answer: _____