

Equations with x on both sides

Algebra – grade 8

Name: _____ Date: _____ Score: _____

1. Solve: $4x + 12 = x + 0$

Answer: _____

2. Solve: $5x + 20 = 3x + 24$

Answer: _____

3. Solve: $5x + 14 = x + 10$

Answer: _____

4. Solve: $9x + 18 = 7x + 28$

Answer: _____

5. Solve: $7x + 2 = 5x + 6$

Answer: _____

6. Solve: $4x + 11 = 2x + 27$

Answer: _____

7. Solve: $7x + 18 = 4x + 15$

Answer: _____

8. Solve: $5x + 1 = 2x + 4$

Answer: _____

9. Solve: $5x + 5 = 3x + 3$

Answer: _____

10. Solve: $8x + 17 = 5x + 32$

Answer: _____

11. Solve: $9x + 14 = 3x + 62$

Answer: _____

12. Solve: $9x + 12 = 6x + 27$

Answer: _____

13. Solve: $7x + 15 = 2x + 45$

Answer: _____

14. Solve: $9x + 9 = 4x + 54$

Answer: _____

Equations with x on both sides - Answer key

Algebra - grade 8

Name: _____ Date: _____ Score: _____

1. Solve: $4x + 12 = x + 0$

$x = -4$

2. Solve: $5x + 20 = 3x + 24$

$x = 2$

3. Solve: $5x + 14 = x + 10$

$x = -1$

4. Solve: $9x + 18 = 7x + 28$

$x = 5$

5. Solve: $7x + 2 = 5x + 6$

$x = 2$

6. Solve: $4x + 11 = 2x + 27$

$x = 8$

7. Solve: $7x + 18 = 4x + 15$

$x = -1$

8. Solve: $5x + 1 = 2x + 4$

$x = 1$

9. Solve: $5x + 5 = 3x + 3$

$x = -1$

10. Solve: $8x + 17 = 5x + 32$

$x = 5$

11. Solve: $9x + 14 = 3x + 62$

$x = 8$

12. Solve: $9x + 12 = 6x + 27$

$x = 5$

13. Solve: $7x + 15 = 2x + 45$

$x = 6$

14. Solve: $9x + 9 = 4x + 54$

$x = 9$