

Equations with x on both sides

Algebra - grade 8

Name: _____ Date: _____ Score: _____

1. Solve: $6x + 2 = 2x - 14$

Answer: _____

2. Solve: $8x + 2 = 6x + 12$

Answer: _____

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

Answer: _____

4. Solve: $6x + 17 = 1x + 12$

Answer: _____

5. Solve: $8x + 20 = 5x + 2$

Answer: _____

6. Solve: $9x + 14 = 6x - 4$

Answer: _____

7. Solve: $4x + 1 = 3x - 5$

Answer: _____

8. Solve: $9x + 15 = 4x + 45$

Answer: _____

9. Solve: $7x + 12 = 2x + 12$

Answer: _____

10. Solve: $5x + 16 = 2x + 10$

Answer: _____

11. Solve: $4x + 12 = 3x + 7$

Answer: _____

12. Solve: $8x + 19 = 2x + 73$

Answer: _____

13. Solve: $4x + 7 = 1x + 34$

Answer: _____

14. Solve: $4x + 14 = 1x + 23$

Answer: _____

Equations with x on both sides - Answer key

Algebra - grade 8

Name: _____ Date: _____ Score: _____

1. Solve: $6x + 2 = 2x - 14$

$x = -4$

2. Solve: $8x + 2 = 6x + 12$

$x = 5$

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

$x = 0$

4. Solve: $6x + 17 = 1x + 12$

$x = -1$

5. Solve: $8x + 20 = 5x + 2$

$x = -6$

6. Solve: $9x + 14 = 6x - 4$

$x = -6$

7. Solve: $4x + 1 = 3x - 5$

$x = -6$

8. Solve: $9x + 15 = 4x + 45$

$x = 6$

9. Solve: $7x + 12 = 2x + 12$

$x = 0$

10. Solve: $5x + 16 = 2x + 10$

$x = -2$

11. Solve: $4x + 12 = 3x + 7$

$x = -5$

12. Solve: $8x + 19 = 2x + 73$

$x = 9$

13. Solve: $4x + 7 = 1x + 34$

$x = 9$

14. Solve: $4x + 14 = 1x + 23$

$x = 3$