

Grade 7 Expressions & Equations Mixed Review

Expressions & Equations • Grade 7 • Mixed Review • Set C • CCSS 7.EE.4

Name: _____

Date: _____

Solve each problem. Read carefully — the problems change shape as you go.

1. Expand: $5(-4x - 11)$

2. Solve: $x + 5 < 0$

3. Evaluate $x^2 + 12$ when $x = -9$.

4. Simplify: $4x + (-9) + 5x + 5$

5. Solve: $-3x + (-19) = -46$

6. Expand: $-1(-6x - 12)$

7. Solve: $x + 5 \geq -2$

8. Evaluate $x^2 + 11$ when $x = -1$.

9. Simplify: $9x + 5 + 1x + 6$

10. Solve: $-1x + 10 = 9$

11. Expand: $-7(-4x + 5)$

12. Solve: $x + 8 < 5$

13. Evaluate $x^2 + 8$ when $x = -7$.

14. Simplify: $-7x + (-7) + (-8)x + 2$

15. Solve: $-1x + (-5) = -10$

16. Expand: $1(-7x + 1)$

17. Solve: $x + 9 < 16$

18. Evaluate $2x + 18$ when $x = -9$.

19. Simplify: $-4x + (-4) + (-9)x + 4$

20. Solve: $1x + (-3) = -6$

21. Expand: $6(-x + 2)$

22. Solve: $x + 1 < -4$

23. Evaluate $8x + 6$ when $x = 8$.

24. Simplify: $-6x + 1 + 8x + 9$

25. Solve: $-2x + (-15) = -17$

26. Expand: $-2(-x - 8)$

27. Solve: $x + (-2) < -1$

28. Evaluate $3x - 3$ when $x = 5$.

29. Simplify: $1x + 5 + 1x + 2$

30. Solve: $3x + 3 = -15$

Answer Key

Grade 7 Expressions & Equations Mixed Review — Set C

1. $-20x - 55$

2. $x < -5$

3. 93

4. $9x - 4$

5. $x = 9$

6. $6x + 12$

7. $x \geq -7$

8. 12

9. $10x + 11$

10. $x = 1$

11. $28x - 35$

12. $x < -3$

13. 57

14. $-15x - 5$

15. $x = 5$

16. $-7x + 1$

17. $x < 7$

18. 0

19. $-13x$

20. $x = -3$

21. $-6x + 12$

22. $x < -5$

23. 70

24. $2x + 10$

25. $x = 1$

26. $2x + 16$

27. $x < 1$

28. 12

29. $2x + 7$

30. $x = -6$