

Grade 7 Expressions & Equations Mixed Review

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

Name: _____

Date: _____

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

1. Expand: $-3(-3x + 9)$

2. Evaluate $7x - 14$ when $x = 1$.

3. Simplify: $-4x + 9 + 3x + 2$

4. Solve: $-4x + 12 = 8$

5. Solve: $x + 7 > 4$

6. Expand: $-4(6x - 4)$

7. Evaluate $x^2 + 16$ when $x = 9$.

8. Simplify: $8x + (-3) + 8x + 1$

9. Solve: $9x + 6 = 96$

10. Solve: $x + 9 \geq 1$

11. Expand: $1(-3x - 2)$

12. Evaluate $5x - 14$ when $x = -6$.

13. Simplify: $-6x + 1 + (-3)x + 5$

14. Solve: $-6x + 1 = 31$

15. Solve: $x + 1 \leq 5$

16. Expand: $-3(-9x - 9)$

17. Evaluate $4x + 19$ when $x = 4$.

18. Simplify: $2x + 9 + 3x + 7$

19. Solve: $-1x + 17 = 26$

20. Solve: $x + (-7) > -10$

21. Expand: $1(-5x + 9)$

22. Evaluate $3x + 19$ when $x = 9$.

23. Simplify: $3x + 1 + (-7)x + 4$

24. Solve: $-3x + (-11) = 1$

25. Solve: $x + (-9) \leq -12$

26. Expand: $1(-7x + 4)$

27. Evaluate $3x + 19$ when $x = -5$.

28. Simplify: $-3x + (-8) + (-6)x + (-3)$

29. Solve: $9x + 3 = -87$

30. Solve: $x + (-8) \leq -7$

Answer Key

Grade 7 Expressions & Equations Mixed Review — Set B

1. $9x - 27$

2. -7

3. $-x + 11$

4. $x = 1$

5. $x > -3$

6. $-24x + 16$

7. 97

8. $16x - 2$

9. $x = 10$

10. $x \geq -8$

11. $-3x - 2$

12. -44

13. $-9x + 6$

14. $x = -5$

15. $x \leq 4$

16. $27x + 27$

17. 35

18. $5x + 16$

19. $x = -9$

20. $x > -3$

21. $-5x + 9$

22. 46

23. $-4x + 5$

24. $x = -4$

25. $x \leq -3$

26. $-7x + 4$

27. 4

28. $-9x - 11$

29. $x = -10$

30. $x \leq 1$