

Grade 6 Expressions & Equations Mixed Review

Expressions & Equations • Grade 6 • Mixed Review • Set C • CCSS 6.EE.2

Name: _____

Date: _____

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

1. Simplify: $2x + 6 + (-6)x + (-5)$

2. Solve: $x + 18 = 36$

3. $2^5 =$

4. Evaluate $8x + 2$ when $x = 2$.

5. Simplify: $4x + 1 + (-5)x + (-2)$

6. Solve: $8x = 96$

7. $4^3 =$

8. Evaluate $2x + 5$ when $x = 8$.

9. Simplify: $-8x + 9 + 1x + (-2)$

10. Solve: $x + 13 = 25$

11. $3^4 =$

12. Evaluate $3x + 17$ when $x = 8$.

13. Simplify: $8x + (-1) + 3x + (-5)$

14. Solve: $x \div 8 = 19$

15. $9^3 =$

16. Evaluate $5x + 14$ when $x = 7$.

17. Simplify: $6x + (-6) + (-7)x + (-8)$

18. Solve: $7x = 112$

19. $3^2 =$

20. Evaluate $6x + 9$ when $x = 9$.

21. Simplify: $-3x + (-9) + (-6)x + (-1)$

22. Solve: $x \div 6 = 19$

23. $7^3 =$

24. Evaluate $x^2 + 2$ when $x = 9$.

25. Simplify: $1x + 3 + (-6)x + (-2)$

26. Solve: $x - 2 = 6$

27. $2^4 =$

28. Evaluate $9x - 19$ when $x = 9$.

29. Simplify: $2x + 2 + 6x + (-1)$

30. Solve: $x - 12 = -4$

Answer Key

Grade 6 Expressions & Equations Mixed Review — Set C

1. $-4x + 1$

2. $x = 18$

3. 32

4. 18

5. $-x - 1$

6. $x = 12$

7. 64

8. 21

9. $-7x + 7$

10. $x = 12$

11. 81

12. 41

13. $11x - 6$

14. $x = 152$

15. 729

16. 49

17. $-x - 14$

18. $x = 16$

19. 9

20. 63

21. $-9x - 10$

22. $x = 114$

23. 343

24. 83

25. $-5x + 1$

26. $x = 8$

27. 16

28. 62

29. $8x + 1$

30. $x = 8$