

Grade 6 Expressions & Equations Mixed Review

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

Name: _____

Date: _____

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

1. Evaluate $2x - 11$ when $x = 1$.

2. Simplify: $-1x + 9 + (-6)x + 7$

3. $4^2 =$

4. Solve: $x \div 5 = 20$

5. Evaluate $x^2 + 14$ when $x = 8$.

6. Simplify: $4x + 1 + (-5)x + (-8)$

7. $9^3 =$

8. Solve: $x \div 2 = 2$

9. Evaluate $7x - 5$ when $x = 2$.

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

11. $4^3 =$

12. Solve: $x - 15 = 0$

13. Evaluate $x^2 + 3$ when $x = 1$.

14. Simplify: $7x + (-8) + 5x + 6$

15. $7^2 =$

16. Solve: $x - 11 = 8$

17. Evaluate $x^2 + 2$ when $x = 7$.

18. Simplify: $-2x + 1 + (-7)x + (-5)$

19. $3^2 =$

20. Solve: $x + 3 = 5$

21. Evaluate $3x - 5$ when $x = 6$.

22. Simplify: $-2x + 7 + 9x + (-3)$

23. $6^2 =$

24. Solve: $3x = 15$

25. Evaluate $x^2 + 8$ when $x = 8$.

26. Simplify: $7x + 9 + (-9)x + 2$

27. $2^4 =$

28. Solve: $x + 4 = 12$

29. Evaluate $x^2 + 4$ when $x = 4$.

30. Simplify: $7x + 5 + (-6)x + (-2)$

Answer Key

Grade 6 Expressions & Equations Mixed Review — Set B

1. -9

11. 64

21. 13

2. $-7x + 16$

12. $x = 15$

22. $7x + 4$

3. 16

13. 4

23. 36

4. $x = 100$

14. $12x - 2$

24. $x = 5$

5. 78

15. 49

25. 72

6. $-x - 7$

16. $x = 19$

26. $-2x + 11$

7. 729

17. 51

27. 16

8. $x = 4$

18. $-9x - 4$

28. $x = 8$

9. 9

19. 9

29. 20

10. $-5x + 13$

20. $x = 2$

30. $x + 3$