

Grade 7 Expressions & Equations Drill

Expressions & Equations • Grade 7 • Drill • Set A • CCSS 7.EE.4

Name: _____

Date: _____

Solve each problem. Show your work in the space provided.

1. Solve: $8x + (-13) = 3$

2. Expand: $-8(-3x - 7)$

3. Solve: $8x + 18 = 74$

4. Expand: $-9(-9x - 8)$

5. Solve: $-5x + (-19) = -24$

6. Expand: $-9(6x + 3)$

7. Solve: $-2x + (-7) = -5$

8. Expand: $-4(x - 8)$

9. Solve: $4x + 20 = 32$

10. Expand: $-3(6x - 2)$

11. Solve: $7x + (-20) = 50$

12. Expand: $7(9x - 9)$

13. Solve: $-2x + 3 = -11$

14. Expand: $5(3x - 2)$

15. Solve: $-8x + (-10) = 30$

16. Expand: $-4(-9x - 2)$

17. Solve: $-6x + 20 = 74$

18. Expand: $-8(-8x - 8)$

19. Solve: $1x + (-14) = -16$

20. Expand: $-6(-3x - 12)$

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

22. Expand: $-7(2x + 10)$

23. Solve: $-2x + 1 = -1$

24. Expand: $4(7x - 9)$

25. Solve: $-4x + 11 = 3$

26. Expand: $-9(4x - 2)$

27. Solve: $3x + 2 = -28$

28. Expand: $1(4x - 10)$

29. Solve: $-3x + (-10) = -19$

30. Expand: $-3(2x + 8)$

Answer Key

Grade 7 Expressions & Equations Drill — Set A

1. $x = 2$

2. $24x + 56$

3. $x = 7$

4. $81x + 72$

5. $x = 1$

6. $-54x - 27$

7. $x = -1$

8. $-4x + 32$

9. $x = 3$

10. $-18x + 6$

11. $x = 10$

12. $63x - 63$

13. $x = 7$

14. $15x - 10$

15. $x = -5$

16. $36x + 8$

17. $x = -9$

18. $64x + 64$

19. $x = -2$

20. $18x + 72$

21. $x = -5$

22. $-14x - 70$

23. $x = 1$

24. $28x - 36$

25. $x = 2$

26. $-36x + 18$

27. $x = -10$

28. $4x - 10$

29. $x = 3$

30. $-6x - 24$