

Name: _____

Date: _____

Evaluating Expressions

Grades 6 – 8 • 50 questions • Show your work

1. If $f(x) = 6x - 3$, find $f(1)$. _____
 2. If $f(x) = -2x - 7$, find $f(4)$. _____
 3. If $f(x) = -2x - 7$, find $f(-4)$. _____
 4. If $f(x) = 4x - 1$, find $f(3)$. _____
 5. If $f(x) = -2x + 6$, find $f(-2)$. _____
 6. If $f(x) = 4x - 3$, find $f(5)$. _____
 7. Evaluate $5a + 5b$ when $a = 5$ and $b = -5$. _____
 8. If $f(x) = 4x + 5$, find $f(-5)$. _____
 9. If $f(x) = 3x + 1$, find $f(-4)$. _____
 10. If $f(x) = 3x - 5$, find $f(0)$. _____
 11. Evaluate $2a + 2b$ when $a = -5$ and $b = -1$. _____
 12. Evaluate $2a + 5b$ when $a = -2$ and $b = 5$. _____
 13. Evaluate $5a + 4b$ when $a = -2$ and $b = 1$. _____
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- 14.** If $f(x) = 2x - 7$, find $f(-5)$. _____
- 15.** If $f(x) = -5x - 6$, find $f(-4)$. _____
- 16.** Evaluate $5a + 2b$ when $a = -4$ and $b = 3$. _____
- 17.** Evaluate $4a + b$ when $a = 5$ and $b = -5$. _____
- 18.** Evaluate $4a + b$ when $a = -4$ and $b = -1$. _____
- 19.** If $f(x) = -4x + 9$, find $f(2)$. _____
- 20.** Evaluate $3a + 4b$ when $a = 5$ and $b = 2$. _____
- 21.** If $f(x) = 5x - 5$, find $f(-5)$. _____
- 22.** If $f(x) = -3x + 6$, find $f(-3)$. _____
- 23.** Evaluate $a + 6b$ when $a = 0$ and $b = 5$. _____
- 24.** If $f(x) = 4x + 3$, find $f(4)$. _____
- 25.** Evaluate $4a + 6b$ when $a = 1$ and $b = 1$. _____
- 26.** Evaluate $4a + b$ when $a = -4$ and $b = -5$. _____
- 27.** Evaluate $6a + 2b$ when $a = 1$ and $b = -5$. _____
- 28.** If $f(x) = -4x + 2$, find $f(2)$. _____
- 29.** Evaluate $3a + 3b$ when $a = 2$ and $b = 2$. _____
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30. Evaluate $4a + b$ when $a = 3$ and $b = 6$. _____

31. Evaluate $a + 4b$ when $a = 6$ and $b = 3$. _____

32. Evaluate $a + 6b$ when $a = -5$ and $b = -5$. _____

33. If $f(x) = 3x + 9$, find $f(-1)$. _____

34. Evaluate $3a + 3b$ when $a = 0$ and $b = 2$. _____

35. Evaluate $2a + 3b$ when $a = -2$ and $b = -5$. _____

36. If $f(x) = 6x + 2$, find $f(5)$. _____

37. If $f(x) = 3x + 6$, find $f(-2)$. _____

38. If $f(x) = 4x + 2$, find $f(2)$. _____

39. If $f(x) = 6x + 2$, find $f(4)$. _____

40. Evaluate $5a + 3b$ when $a = -1$ and $b = 5$. _____

41. If $f(x) = 6x + 9$, find $f(-2)$. _____

42. If $f(x) = 4x - 9$, find $f(4)$. _____

43. If $f(x) = 5x + 5$, find $f(1)$. _____

44. If $f(x) = -4x - 2$, find $f(-4)$. _____

45. Evaluate $4a + 5b$ when $a = -1$ and $b = 1$. _____

46. Evaluate $4a + 4b$ when $a = 5$ and $b = -2$. _____

47. If $f(x) = 3x + 4$, find $f(0)$. _____

48. If $f(x) = 2x + 3$, find $f(-4)$. _____

49. Evaluate $a + b$ when $a = -1$ and $b = 6$. _____

50. If $f(x) = -2x + 3$, find $f(-4)$. _____

Answer Key — Evaluating Expressions

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|---------|---------|---------|
| 1. 3 | 2. -15 | 3. 1 |
| 4. 11 | 5. 10 | 6. 17 |
| 7. 0 | 8. -15 | 9. -11 |
| 10. -5 | 11. -12 | 12. 21 |
| 13. -6 | 14. -17 | 15. 14 |
| 16. -14 | 17. 15 | 18. -17 |
| 19. 1 | 20. 23 | 21. -30 |
| 22. 15 | 23. 30 | 24. 19 |
| 25. 10 | 26. -21 | 27. -4 |
| 28. -6 | 29. 12 | 30. 18 |
| 31. 18 | 32. -35 | 33. 6 |
| 34. 6 | 35. -19 | 36. 32 |
| 37. 0 | 38. 10 | 39. 26 |
| 40. 10 | 41. -3 | 42. 7 |
| 43. 10 | 44. 14 | 45. 1 |
| 46. 12 | 47. 4 | 48. -5 |
| 49. 5 | 50. 11 | |
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