

Simplify the following. Read the lecture notes on Math Methods if you have difficulty with any exercises.

_____ 1. Math.Abs (-9)

_____ 13. Math.Abs (-9 + 3)

_____ 2. Math.Pow (2, 5)

_____ 14. Math.Pow (10, 2)

_____ 3. Math.Sqrt (16)

_____ 15. Math.Sqrt (100)

_____ 4. Math.Round (2.3)

_____ 16. Math.Round (1.99 + 0.59)

_____ 5. Math.Round (2.6)

_____ 17. Math.Round (13.5)

_____ 6. Math.Max (7, 8)

_____ 18. Math.Max (-17, -11)

_____ 7. Math.Min (0, -4)

_____ 19. Math.Min (-2 - 3, 4 - 5)

_____ 8. Math.Floor (3.9)

_____ 20. Math.Floor (4.1 + 0.2)

_____ 9. Math.Ceiling (8.01)

_____ 21. Math.Ceiling (9.99)

_____ 10. Math.Ceiling (-2.1)

_____ 22. Math.Ceiling (0.00001)

_____ 11. Math.Round (12.01)

_____ 23. Math.Ceiling (2)

_____ 12. Math.Round (11.5)

_____ 24. Math.Pow (2, 8)

For the following exercises be sure to follow the order of operations and evaluate the inside of the parentheses first!

_____ 25. Math.Floor (12.5 + 0.5)

_____ 36. Math.Ceiling (Math.Sqrt (16) + 0.5)

_____ 26. Math.Abs (-9 - 18)

_____ 37. Math.Pow (Math.Sqrt (25), 2)

_____ 27. Math.Sqrt (Math.Pow (199, 2))

_____ 38. Math.Max (5, Math.Abs (-7))

_____ 28. Math.Max (52, Math.Max (51, 53))

_____ 39. Math.Sqrt (Math.Max (3, 12 + 4) - 0)

_____ 29. Math.Min (0, Math.Max (12, -99))

_____ 40. Math.Floor (-9)

_____ 30. Math.Pow (12, Math.Round (1.5))

_____ 41. Math.Floor (13.40 + 0.50)

_____ 31. Math.Round (3.1 + 3.6)

_____ 42. Math.Floor (13.50 + 0.50)

_____ 32. Math.Round (1.28 + 0.5)

_____ 43. Math.Floor (13.60 + 0.50)

_____ 33. Math.Round (1.21 + 0.5)

_____ 44. Math.Floor (9.99 + 0.50)

_____ 34. Math.Round (1.216 * 100 + 0.5)

_____ 45. Math.Floor (9.01 + 0.50)

_____ 35. Math.Round (1.216 * 100 + 0.5) / 100 _____ 46. Math.Pow (100, 100 - 98)

For the following exercises see our online lecture notes if you haven't studied logarithms or trigonometric functions in math.

_____ 47. Math.Log10 (100)

_____ 49. Math.Log10 (100000)

_____ 48. Math.Log10 (Math.Pow (10, 2))

_____ 50. Math.Sin (3.14)