

Order of Operations

Directions: Simplify each expression WITHOUT a calculator! Show your work.

1. $3^2 + 5 =$

2. $\sqrt{36} + 7 =$

3. $18 - (3)(4) =$

4. $\frac{20}{5} + 6 =$

5. $(2 + 5)^2 =$

6. $\sqrt{81} + 2^3 =$

7. $(3 + 4)(2) =$

8. $30 - \frac{18}{3} =$

9. $2^4 + (3)(5) =$

10. $(9 - 3)^2 - 10 =$

$$11. \frac{(4)(6)+8}{4} =$$

$$12. \sqrt{64} + (2 + 3)^2 =$$

$$13. (7 + 5)(3) - 20 =$$

$$14. 50 - \frac{(4)(8)}{2} =$$

$$15. (4 + 2)^2 - 11 =$$

$$16. (2 + 6)^2 - (3)(7) =$$

$$17. \frac{(5+3)^2}{4} + 2 =$$

$$18. \sqrt{81} + (2 + 4)(3) =$$

$$19. (3 + 2)^3 - (4)(5) =$$

$$20. \frac{(6+4)(3)}{5} + 7 =$$

$$21. \frac{(7-2)^2 + 15}{5} =$$

$$22. \left(\sqrt{144} - (2 + 3) \right)^2 + 4 =$$

$$23. (2 + 5)^2 - \frac{(3)(4)}{2} =$$

$$24. (4 + 3)^2 - (5)(6) =$$

$$25. \frac{(9 - \sqrt{16})^2 + \sqrt{49}}{4} =$$

$$26. (2 + 3)^2 + (10 - 6)^2 =$$

$$27. \frac{(7+1)^2 - 16}{6} =$$

$$28. \left(\sqrt{100} + 2 \right)^2 - (4)(8) =$$

$$29. \left(12 - \sqrt{36} \right)^2 - 4^2 =$$

$$30. \frac{(4+2)^3}{8} - 5 =$$

$$31. \frac{(2+4)^2 - (3+1)^2}{5} =$$

$$32. \frac{(5+3)^2 + (6)(4)}{8} =$$

$$33. \frac{(10-2)^2 - \sqrt{64}}{7} =$$

$$34. (-3) + 14 - 2^2 =$$

$$35. (4 + 5)^2 - (6)(7) =$$

$$36. (-4)(5) + 3^2 =$$

$$37. \frac{(2+6)^2 - (5)(8)}{4} =$$

$$38. (-2 + 7)^2 - \sqrt{81} =$$

$$39. \frac{(-3+9)^2 - 16}{5} =$$

$$40. (3 + 5)^2 - \frac{(4)(6)}{3} =$$

$$41. \frac{(2+3)^2 - (-1+11)^2}{5} =$$

$$42. (-6 + 10)^3 - (3)(8) =$$

$$43. \frac{(9-3)^2 + \sqrt{100}}{2} =$$

$$44. (-4)^2 + (-3)(5) =$$

$$45. (6 + 2)^2 - \left((5)(6) - \sqrt{36} \right) =$$

$$46. \frac{(-5+9)^2 + (2)(7)}{6} =$$

$$47. \frac{(3+4)^2 - (2+1)^3}{2} =$$

$$48. (-3 + 8)^2 - (-2)(6) =$$

$$49. \frac{(-1+5)^3 - (2+3)^2 + \sqrt{36}}{3} =$$

$$50. \frac{(\sqrt{81} - 4)^2 + (-2)(7) + 14}{5} =$$