

ALGEBRA 1

Name _____

1-2 PRACTICE:**ORDER of OPERATIONS and EVALUATING EXPRESSIONS****Simplify each expression using the order of operations. Use proper formatting!!!**

1a. $(-5)^2$

1b. -5^2

1c. $\left(-\frac{3}{4}\right)^2$

1d. $-\left(\frac{3}{4}\right)^2$

2. $29 - 3(9) + 4$

3. $5(2)^2 \div 2 + 8$

4. $7.9 - 3.2(10 \div 5)$

5. $12 \div 3 - 6(2) - 8 \div 4$

6. $\frac{3[10 - (27 \div 9)]}{4 - 7}$

7. $5(14 - 18 \div 3) + 4\left(\frac{1}{4}\right)$

Evaluate each expression for $x = 5$, $y = -4$, and $z = 6$. Use proper formatting!!!

8. $2xz - y$

9. $2x(y + z)$

10. $5x - (y + 2z)$

11. $2xy + z^2$

12. $\frac{2y^2 - x}{z}$

13. $2x^2 - y^2 + 3$

14. $(2xz) \div (-3y)$

15. $\frac{z^2 \div y}{z + y}$