

## Algebra 1 - Order of Operations Simplifying Expressions

Simplify each of the following:

**\*\*Answers are indicated in [ ]\*\***

1.  $4(2y + 3) - y + 5$       [  $7y + 17$  ]

2.  $2(3x - 1) + x$       [  $7x - 2$  ]

3.  $4 - x(2x+1)$       [  $4 - 2x^2 - x$  ]

4.  $5x(2x + 4) - 5x^2 - 3x$       [  $5x^2 + 17x$  ]

5.  $\frac{2}{3}x - \frac{3}{5} - \frac{4}{5}x$       [  $\frac{-2}{15}x - \frac{3}{5}$  ]

$$6. -2x - 3(4x - 8) + 10 \quad [ -14x + 34 ]$$

$$7. 3x + 5(2x - 3) - 4 \quad [ 13x - 19 ]$$

$$8. 2x - 4(3x + 5) \quad [ -10x - 20 ]$$

$$9. 4(3x - 2) - (x + 6) \quad [ 11x - 14 ]$$

$$10. 5(3x + 2) - 4x + 1 \quad [ 11x + 11 ]$$

$$11. 2x + 3(5x - 2) - 6 \quad [ 17x - 12 ]$$

$$12. \quad 3(2x + 5) + 4(x + 2) \quad [ 10x + 23 ]$$

$$13. \quad (5x - 3) - 3(2x + 1) \quad [ -x - 6 ]$$

$$14. \quad 4x - 3(2x - 5) + 7 \quad [ -2x + 22 ]$$

$$15. \quad 2x + 3(5x - 2) - 6 \quad [ 17x - 12 ]$$