

Name: _____

Date: _____

Period: _____

Combining Like Terms and Evaluating Expressions

Simplify each expression and then evaluate that expression.

1. $8k + 3 + k$ $k = 4$

2. $12r + 8 + 4 + 3r$ $r = 10$

3. $n + 10 + 3n + 1 + n^2$ $n = 2$

4. $5xy + 2x + 2 + 4x + 5 + 7xy + 1$ $x = 5$ and $y = 3$

5. $4x^3 + 8 + 9y^2 + 3 + 3x^3 + 13 + 3y^2$ $x = 3$ and $y = 4$

Simplify the expression first if it can be simplified and then evaluate each expression.

8. $n + 10 + 9n + 3$ $n = 4$

9. $4x + 2y + 6 + 3 + 3x + 5y$ $x = 2$ and $y = 4$

10. $y \div 2 + x$ $x = 6$ and $y = 10$

11. $2x + y + y + 4$ $x = 9$ and $y = 8$

12. $p + 4 + pq + 2 + 6p + pq$ $p = 8$ and $q = 3$

13. $2z + 3x^3 + 4 + x^3 + 5z$ $x = 2$ and $z = 6$