

Practice - Simplifying Expressions and Equations**pp 46-51**

Name _____

Date _____

Period _____

Simplify each expression. If it cannot be simplified, write "simplified".

1. $4ab + ab$

2. $-3h^2 - 2h^2$

3. $a^2 + b^2$

4. $a + b + a + c$

5. $6(x + y)$

6. $16m^3 - 10m^2$

7. $-5(2d - 8)$

8. $-(9a + 4)$

9. $5(r + 2) + 7r$

10. $5(c + 4) + 3(d - 8)$

Simplify first, then evaluate if $w = 3$, $v = -2$ and $b = 5$. Circle BOTH answers.

11. $8w - 4(w - 6)$

12. $-3(b + 4) + 6b$

13. The dimensions of a rectangle are $(5x - 5)$ and $(x + 4)$. Write an expression to represent the perimeter of the rectangle in simplest form.

Now, find the Perimeter if $x = 2$. _____

14. Find the perimeter, in simplest form, of the rectangle in terms of r .

