

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 2D.2 – More Multiplying & Dividing Algebraic Expressions

#1-14, Simplify each expression.			
1. $8y + 4y$	2. $8y \cdot 4y$	3. $a + a + a + a$	4. $a \cdot a \cdot a \cdot a$
5. $-5(3q - 1)$	6. $-5q(3q - 1)$	7. $10(4 + 3r) + 1$	8. $10r(4 + 3r) + 1$
9. $-3mn \cdot 2mn - 4mn \cdot 5mn$	10. $-5z(4 - 2z) + 5z^2 + 12z$	11. $5p(7p + 11) - 5p(7p + 11)$	
12. $\frac{6a - 9b + 15c}{3}$	13. $\frac{3q(4 - 6q) - q(-4 + 12q)}{-2}$	14. $\frac{8r - 6r(5 - 3r) + 11r^2 - 2r}{-1}$	

15. Find the area of the shaded region. Be sure to use correct units in your answer.

