

Simplify Expressions WS

You Are: _____

#1 Show you can distribute:

a. $3(5x + 2)$

b. $-\frac{1}{3}(3 - 6w)$

c. $-(13w^2 + 8w - 1)$

d. $4(4xy - 9x + 3y)$

#2-21, Simplify each algebraic expression.

2. $7a + 12a$

3. $14x^2 - 5x^2$

4. $5b - 6a + 3m - 8b + m + 5a$

5. $10b + 6y$

6. $-10b + 7 - 3b + 2$

7. $10m + 3p - 12m + 5p$

8. $5(d + 6) - 8d$

9. $\frac{1}{3}c + \frac{2}{3}c$

10. $f - 4(2 - 3f)$

11. $4g + 3gh - 2h$

12. $(x + c) - 2c$

13. $3b - a + a - 3b$

14. $13m^2 - 5m$

15. $6wz - 7w + 4wz - w$

16. $(x - 7) + \frac{1}{2}(8 + 10x)$

17. $5b^2 + 8b - 2b^2$

18. $\frac{1}{2}w + \frac{3}{4} - \frac{1}{3}w$

19. $\frac{2r}{7} - \frac{r}{5}$

20. $5.3x + 2.5 - 1.2x - 1.3$

21. $-\frac{3}{4}(16x + 4) - 3x$

22. In the expression $10x + 6$ what is the coefficient? _____.23. In the expression $-15w - 3$ what is the variable? _____.

24. Write any expression which has a variable the same as the first letter of your middle name, a constant of 5 and a coefficient of -7.

