

Combining Like Terms

Which terms are like terms? (Not all terms will be used.)

Circle all terms that can be combined with $3a$.	Draw a square around all terms that can be combined with $4b$.	Underline all terms that can be combined with a^2 .	Draw an X through all terms that can be combined with 5 .
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1. $14a$

2. $5ab$

3. $3b$

4. $3a^2$

5. $4b^2$

6. 17

7. 100

8. $14ab$

9. $5a^3$

10. $4a$

11. $16b$

12. $73a^2$

Simplify the following expressions by combining like terms. Show all work on a separate sheet of paper and box your answer.

13. $4x - 6x$

14. $7y + 5y - 5y$

15. $4r + 4y - 8$

16. $3m + 4n - 6n$

17. $4g + 6g - 3g$

18. $15f - 5 + 2f$

19. $13x - 7y + 4x$

20. $5x^2 - 4x + 9x^2$

21. $4b + 7a - 8$

22. $13r + 5s - 2r$

23. $a + a + 3b + b$

24. $3y - 4y^2 + 3y$

25. $(3a - b) + 2a$

26. $2w + 4w^2 - 5w^3$

27. $c^3 + 4c - 4c^3$

28. $a - 3b + 5c + 4a$

29. $2x + 7x - 6x + 8$

30. $11q + 5p - 9q + 7p$

31. $3mn + 4m - 2mn$

32. $0t - 9t + 6u + 4u^5$

33. $11d + 5f - 21d + 5 - 8$

34. $12 + 9x - 6x - 19$

35. $y^2 + 3y^2 - 6y + 4y^2$

36. $2 - 5t + 8 + 5t - 8$

Simplify these expressions.

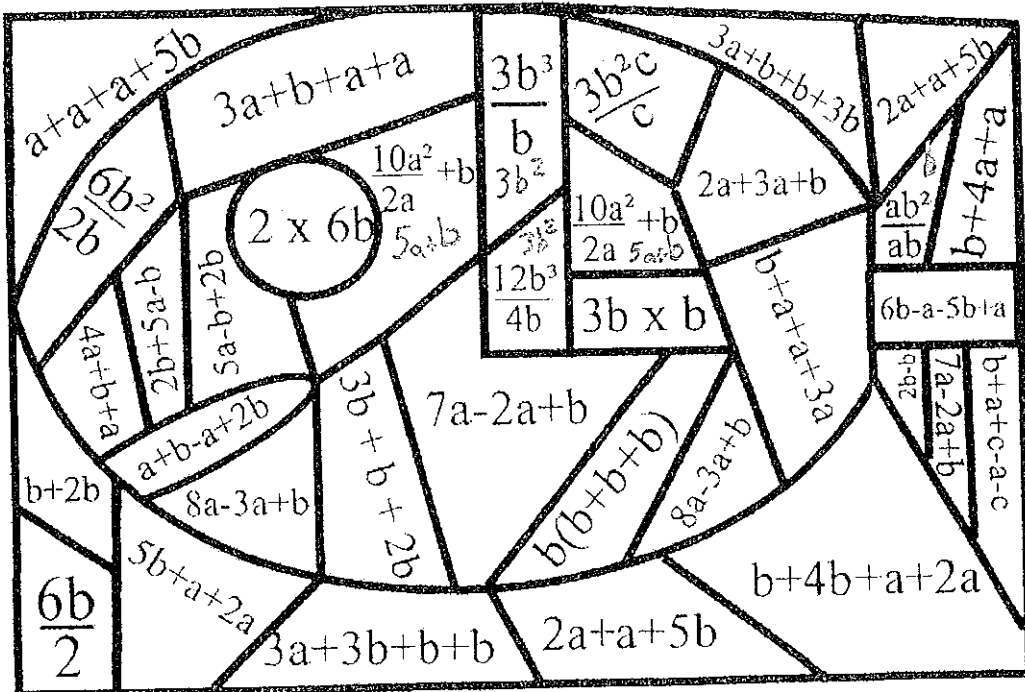
If you get equivalent to:

$5a+b$ color orange

$3a+5b$ color blue

$3b$ or $3b^2$ color green

$6b$, $12b$ or b color red



Combining Like Terms

1.) $x + 2x =$

2.) $2x - x =$

3.) $4x + 2x =$

4.) $6x - 3x =$

5.) $5x + x =$

6.) $2x + 2x =$

7.) $7x - 5x =$

8.) $3x - 2x =$

9.) $x + x =$

10.) $x^2 + 2x^2 =$

11.) $4x^2 - 3x^2 =$

12.) $3x^2 + 2x^2 =$

13.) $2x^2 + 2x + x^2 + x =$

14.) $5x + x^2 - 2x + x^2 =$

15.) $3x + 2x - x + 2x^2 =$

16.) $6x + 3x^2 - x - x^2 =$

17.) $4x + 3 + x^2 - x =$

18.) $2x + 3x + 9 + x =$

19.) $2x^2 + 3 + 3x - 1 =$

20.) $2x + 5 + x^2 - x =$

21.) $2x + 4y - x + y =$

22.) $2y + x + 3x - y =$

23.) $x + y + 2y - 4 =$

24.) $5 + 2x + y + 2x - 1 =$

25.) $3y + 2 + 2y + 5 =$

26.) $2x + 2y + x^2 - x + x^2 =$