

Like Terms

Name: _____

Instructions:

Like Terms have:

- The same letter(s); &
- The same power

Choose the terms from each list that are like the one in brackets:

Q1. $14a$, $2a^2$, $-a$, $7ac$, a ($4a$)

Q6. $9xy$, $-xy$, $4x^2y$, $7y$, $5yx^2$ ($-2x^2y$)

Q2. x^3 , $-2x$, $5x^2$, $8xy$, x^2 ($-3x^2$)

Q7. $2yx$, $-3x$, $2xy^2$, $5y^2$, xy ($6xy$)

Q3. $5y$, $-4y^2$, y^3 , $2xy$, $-3y$ ($2y$)

Q8. $9ab$, $3a$, $-4b$, $2ab^2$, b^2a ($2ab^2$)

Q4. $6ab^2$, $7ba$, $4a^2b$, $-5b^3$, ab ($-3ab$)

Q9. $5p^3q^2$, $-2pq$, $9q^2p^2$, $7p^3q^2$, pq^2 ($3p^2q^2$)

Q5. $7m^2$, $8m^3$, $-2lm^2$, $-m$, $9m^2$ ($-m^2$)

Q10. $-8x^2y^2$, $6xy^2$, $-xy$, $-5yx^2$, $2x^2y$ ($4xy$)

Simplify the following expressions by combining like terms:

1. $2x + 3x =$

8. $5a^2 + 7a^2 - 3a^2 =$

2. $x + x + x + x =$

9. $3x^2 + 2x^2 - 5x^2 =$

3. $2y + x + 3y =$

10. $6y^2 - 3y^2 + 2y^2 =$

4. $4y - 2y =$

11. $2a^2 + 4a^2 - 6a^2 + 3a^2 =$

5. $5a + 7a - 3a =$

12. $2x + 3 - 4x =$

6. $2x^2 + 3x^2 =$

13. $5y - 2 + 3y + 1 - 2y =$

7. $4y^2 - 2y^2 =$

14. $3a - 2b + 4a - 3b - 5a =$