



Do You Remember How to Identify Like Terms?

Like terms are terms that have the same variables with the same exponents.

- (1) Are the terms x and y LIKE terms?
- (2) Are the terms $2m$ and $3m$ LIKE terms?
- (3) Are the terms $7k^4$ and $5k^4$ LIKE terms?
- (4) Are the terms abc , bca , and cab LIKE terms?
- (5) Are the terms $13x^2y^3$ and $8x^2y^3$ LIKE terms?
- (6) Are the terms xy^2 and x^2y LIKE terms?
- (7) Are the terms 5 and 7 LIKE terms?
- (8) Are the terms $2(x - y)$ and $9(x - y)$ LIKE terms?
- (9) Are the terms x and x^2 LIKE terms?
- (10) Are the terms $3a$ and $3ab$ LIKE terms?

Answers:

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|---------------|----------------|----------------|----------------|----------------|
| (1) <i>no</i> | (2) <i>yes</i> | (3) <i>yes</i> | (4) <i>yes</i> | (5) <i>yes</i> |
| (6) <i>no</i> | (7) <i>yes</i> | (8) <i>yes</i> | (9) <i>no</i> | (10) <i>no</i> |