



Add polynomials

1

Is the simplification correct?

$$-4x + 5 + 7x = -4x + 7x + 5$$

A

Yes

B

No

2

Is the simplification correct?

$$8x - x^2 - 9x^2 + 8 = -10x^2 + 8x + 8$$

A

Yes

B

No

3

Is the simplification correct?

$$-2 + 9x^2 - 9x + 5x^4 + x^4 = 6x^4 + 9x^2 - 9x - 2$$

A

Yes

B

No

4

Is the simplification correct?

$$x^3y^2 + 5x^3y + 4y + 2x^3y^2 + 6x^4y^2 = 6x^4y^2 + 3x^3y^2 + 5x^3y + 4y$$

A

No

B

Yes

5

Is the simplification correct?

$$\frac{2}{3}x + \frac{7}{4}x^2 - \frac{5}{2} - 2x = \frac{7}{4}x^2 + \frac{2}{3}x - 2x - \frac{5}{2}$$

A

Yes

B

No

6

Is the simplification correct?

$$-\frac{1}{2} - 7x^3 - 4x^2 + 9x^4 + \frac{3}{2}x^4 = \frac{21}{2}x^4 - 7x^3 - 4x^2 - \frac{1}{2}$$

A

No

B

Yes

7

Is the simplification correct?

$$-7x + \frac{1}{2} + \frac{3}{4}xy - \frac{2}{3}y - 3xy = \frac{3}{4}xy - 3xy - 7x - \frac{2}{3}y + \frac{1}{2}$$

A

Yes

B

No

8

Is the simplification correct?

$$4x^3y^2 + \frac{9}{4}x^2y - x^2 - 2y^3 + \frac{7}{3}x^2y = 4x^3y^2 + \frac{55}{12}x^2y - 2y^3 - x^2$$

A

No

B

Yes

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Simplify by combining like terms.

$$\frac{7}{4}x - 2x - \frac{7}{2}x^2 + 3$$

A

$$-\frac{7}{2}x^2 + \frac{7}{4}x + 3$$

B

$$-\frac{7}{2}x^2 - \frac{1}{4}x + 3$$

C

$$-\frac{7}{2}x^2 + \frac{15}{4}x + 3$$

D

$$-\frac{7}{2}x^2 + \frac{7}{4}x - 2x + 3$$

10

Simplify by combining like terms.

$$8x + 8x^2 - 4 + x$$

A

$$8x^2 + 8x - 4$$

B

$$8x^2 + 8x + x - 4$$

C

$$8x^2 + 9x - 4$$

D

$$8x^2 + 7x - 4$$

11

Simplify by combining like terms.

$$6x^3 - 5x^2 - x - 9x^4 - 2x^4$$

A

$$-7x^4 + 6x^3 - 5x^2 - x$$

B

$$-11x^4 + 6x^3 - 5x^2 - x$$

C

$$-9x^4 - 2x^4 + 6x^3 - 5x^2 - x$$

D

$$-9x^4 + 6x^3 - 5x^2 - x$$

12

Simplify by combining like terms.

$$9xy^3 - \frac{3}{2}xy^2 + \frac{5}{3}xy^3 + 6 - 7x^3y^2$$

A

$$-7x^3y^2 + \frac{22}{3}xy^3 - \frac{3}{2}xy^2 + 6$$

B

$$-7x^3y^2 + 9xy^3 - \frac{3}{2}xy^2 + 6$$

C

$$-7x^3y^2 + \frac{32}{3}xy^3 - \frac{3}{2}xy^2 + 6$$

D

$$-7x^3y^2 + 9xy^3 + \frac{5}{3}xy^3 - \frac{3}{2}xy^2 + 6$$

13

Simplify by combining like terms.

$$-2x^4y + 9x^4y - 6xy^3 - 6x^2y^3 - 2y^2$$

A

$$-11x^4y - 6x^2y^3 - 6xy^3 - 2y^2$$

B

$$-2x^4y + 9x^4y - 6x^2y^3 - 6xy^3 - 2y^2$$

C

$$-2x^4y - 6x^2y^3 - 6xy^3 - 2y^2$$

D

$$7x^4y - 6x^2y^3 - 6xy^3 - 2y^2$$

14

Simplify by combining like terms.

$$-2y + 3x - 7xy - 5 - 3xy$$

A

$$-10xy + 3x - 2y - 5$$

B

$$-4xy + 3x - 2y - 5$$

C

$$-7xy - 3xy + 3x - 2y - 5$$

D

$$-7xy + 3x - 2y - 5$$