

ADDITION OF POLYNOMIALS

Simplify

1 $(4x^2 + 5x + 7) + (3x^2 - 8x + 15)$

5 $4(3x^2 + 6x - 8) + 3(2x^2 - 5x + 7)$

2 $(8x^2 + 7xy - 5y^2) + (4x^2 - 3xy + 3y^2)$

6 $(2x - 5)^2 + 3x^2 + 17$

3 $(3x^2 - 5x + 8) + (7x^2 + 6x - 9)$

7 $7(x^2 - 2x + 1) + 9(x^2 + 8x + 3)$

4 $(x^4 - 3 - 3x^3) + (-5x^4 + 6x^3 - 8x^5)$

8 $(-10x^4 - 2x^3 - 9x) + (2x^3 + 10x^4 + 9x + 6x^2)$

ADDITION OF POLYNOMIALS

Answers

1 $(4x^2 + 5x + 7) + (3x^2 - 8x + 15)$

5 $4(3x^2 + 6x - 8) + 3(2x^2 - 5x + 7)$

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

2 $(8x^2 + 7xy - 5y^2) + (4x^2 - 3xy + 3y^2)$

$$\frac{18x^2 + 9x - 21}{}$$

6 $(2x - 5)^2 + 3x^2 + 17$

$$\frac{12x^2 + 4xy - 2y^2}{}$$

3 $(3x^2 - 5x + 8) + (7x^2 + 6x - 9)$

$$\frac{7x^2 - 20x + 42}{}$$

7 $7(x^2 - 2x + 1) + 9(x^2 + 8x + 3)$

$$\frac{10x^2 + x - 1}{}$$

4 $(x^4 - 3 - 3x^3) + (-5x^4 + 6x^3 - 8x^5)$

$$\frac{16x^2 + 58x + 34}{}$$

8 $(-10x^4 - 2x^3 - 9x) + (2x^3 + 10x^4 + 9x + 6x^2)$

$$\frac{-8x^5 - 4x^4 + 3x^3 - 3}{}$$

$$\frac{6x^2}{}$$