Adding and Subtracting Polynomials

1 $(5a + 4) - (5a + 3)$

2 $(2y^2 + 1) + (y^2 - 2y + 1)$

3 $(7 + 2m^2) + (2m^2 - 2)$

4 $4(x + 5) - 5(x^2 + 4x + 7)$

5 $5(d + 3) - 9(d^2 - 3d + 2)$

6 $(4r^3 + 3r^4) - (r^4 - 5r^3)$

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

8 $(-12y^4 + 10y^5 + 2y^3) + (14y^3 + 23y^5 + 8y^4)$

Adding and Subtracting Polynomials

Answers

1 $(5a + 4) - (5a + 3)$

1

2 $(2y^2 + 1) + (y^2 - 2y + 1)$

$3y^2 - 2y + 2$

3 $(7 + 2m^2) + (2m^2 - 2)$

$4m^2 + 5$

4 $4(x + 5) - 5(x^2 + 4x + 7)$

$-5x^2 - 16x - 15$

5 $5(d + 3) - 9(d^2 - 3d + 2)$

$-9d^2 + 32d - 3$

6 $(4r^3 + 3r^4) - (r^4 - 5r^3)$

$9r^3 + 2r^4$

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

$5x^2 - 4x$

8 $(-12y^4 + 10y^5 + 2y^3) + (14y^3 + 23y^5 + 8y^4)$

$-4y^4 + 35y^5 + 16y^3$