



Name : Class :

Adding and subtracting polynomials

Add or subtract following polynomials as it applies.

1) $(2x^2 + 4x + 3) - (-6x^3 + 3 - x^2)$

2) $(-7c^4 + 14c) + (-2c + 4c^4)$

3) $(-10m^3 + 5m + 3m^2) - (5 + 6m^3 - 2m)$

4) $(-7b^3 + 11b) - (-b + 2b^3)$

5) $(9a^5 - a + 2a^3) - (5a^4 + 3a^5 + 2a)$

6) $(-14y^2 + 7y) - (2y^2 + 5y^1 + y^0)$

7) $(6a^4 - 3a - 5a^2) + (12a^2 + 4a^4 - 6a)$

8) $(0y^3 + 2y^1) - (2y^0 + 2y^1 + y^2)$

ANSWER SHEET

Add or subtract following polynomials as it applies.

- 1) $(2x^2 + 4x + 3) - (-6x^3 + 3 - x^2)$ $\underline{\underline{6x^3 + 3x^2 + 4x}}$
- 2) $(-7c^4 + 14c) + (-2c + 4c^4)$ $\underline{\underline{-3c^4 + 12c}}$
- 3) $(-10m^3 + 5m + 3m^2) - (5 + 6m^3 - 2m)$ $\underline{\underline{-16m^3 + 3m^2 + 7m - 5}}$
- 4) $(-7b^3 + 11b) - (-b + 2b^3)$ $\underline{\underline{-9b^3 + 12b}}$
- 5) $(9a^5 - a + 2a^3) - (5a^4 + 3a^5 + 2a)$ $\underline{\underline{6a^5 - 5a^4 + 2a^3 - 3a}}$
- 6) $(-14y^2 + 7y) - (2y^2 + 5y^1 + y^0)$ $\underline{\underline{-16y^2 + 2y - 1}}$
- 7) $(6a^4 - 3a - 5a^2) + (12a^2 + 4a^4 - 6a)$ $\underline{\underline{10a^4 + 7a^2 - 9a}}$
- 8) $(0y^3 + 2y^1) - (2y^0 + 2y^1 + y^2)$ $\underline{\underline{-y^2 - 2}}$