



Name : Class :

Multiplying Polynomials

Multiplying polynomials and ordering them by degree.

1) $(x + 1)(x - 1)$ -----

2) $(2x + 1)(-x + 2)$ -----

3) $(x^2 - 1)(2x - 1)$ -----

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

5) $(3x - 2)(x^2 - 2x + 1)$ -----

6) $(a^2 + 1)(-3a^2 + 2)$ -----

7) $(-2c^3 + 3c^2 - 7c)(-4c^2 + 2)$ -----

ANSWER SHEET

Multiplying polynomials and ordering them by degree.

$$1) \quad (x+1)(x-1) \quad \underline{\quad x^2 - 1 \quad}$$

$$2) \quad (2x+1)(-x+2) \quad \underline{\quad -2x^2 + 3x + 2 \quad}$$

$$3) \quad (x^2-1)(2x-1) \quad \underline{\quad 2x^3 - x^2 - 2x + 1 \quad}$$

$$4) \quad (-x^3-1)(-3x^2+2) \quad \underline{\quad 3x^5 - 2x^3 + 3x^2 - 2 \quad}$$

$$5) \quad (3x-2)(x^2-2x+1) \quad \underline{\quad 3x^3 - 8x^2 + 7x - 2 \quad}$$

$$6) \quad (a^2+1)(-3a^2+2) \quad \underline{\quad -3a^4 - a^2 + 2 \quad}$$

$$7) \quad (-2c^3+3c^2-7c)(-4c^2+2) \quad \underline{\quad 8c^5 - 12c^4 + 25c^3 + 6c^2 - 14c \quad}$$