

Multiplying Polynomials

Name: _____

1. Multiply the following.

A. $(3)(4x^2)$

B. $(-3x)(-4x^2)$

C. $(-3x^4)(4x^2)$

2. Multiply the following.

A. $(3)(4x^2 - 2x)$

B. $(-3x)(4x^2 - 2x)$

C. $(-3x^4)(-4x^2 + 2x)$

3. Multiply the following.

A. $(3)(4x^2 - 2x + 4)$

B. $(-3x)(4x^4 - 2x^2 - 5)$

C. $(-3x^4)(-4x^5 + 2x^3 + 2x)$

4. Multiply the following (use the general “foil method”).

A. $(x + 3)(x - 5)$

B. $(x - 3)(x - 5)$

C. $(2x + 3)(4x - 5)$

D. $(2x + 3)(4x + 5)$