

Multiplying Polynomials

Date: _____ Hour: _____

Find each product.

1) $3k(k + 3)$

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

3) $2b(4b + 2)$

4) $5n^6(n - 1)$

5) $(-3a + 4)(-5a - 8)$

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

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

8) $(-5k + 4)(-3k + 5)$

9) $(-4b - 8)(-5b - 7)$

10) $(-7n - 6)(-7n^2 + 4)$

Multiplying Polynomials

Date: _____ Hour: _____

Find each product.

1) $3k(k + 3)$

$3k^2 + 9k$

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

$15x^3 - 9x^2$

3) $2b(4b + 2)$

$8b^2 + 4b$

4) $5n^6(n - 1)$

$5n^7 - 5n^6$

5) $(-3a + 4)(-5a - 8)$

$15a^2 + 4a - 32$

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

$10x^2 + 31x - 14$

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

$25x^3 + 35x^2 - 20x - 28$

8) $(-5k + 4)(-3k + 5)$

$15k^2 - 37k + 20$

9) $(-4b - 8)(-5b - 7)$

$20b^2 + 68b + 56$

10) $(-7n - 6)(-7n^2 + 4)$

$49n^3 + 42n^2 - 28n - 24$