Name_____

MULTIPLYING BINOMIALS

Directions: Find the product of each pair of binomials below. Combine all like terms and write the product in simplest form on the line provided next to each expression.

Example: (2x + 5) (4x + 1) = $8x^2 + 2x + 20x + 5$ = $8x^2 + 22x + 5$

1) (2x + 2) (4x + 3) = _____

2) (3x + 6) (2x + 7) = _____

3) (9x + 8) (3x + 2) = _____

4) (4x + 1) (5x + 9) = _____

5) (4x + 5) (4x + 5) = _____

6) (8x + 2) (2x + 7) = _____

7) (2x + 4) (6x + 3) = _____

8) (9x + 1) (x + 1) = _____

9) (3x + 3) (x + 7) = _____

10) (6x + 8) (7x + 9) = _____

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1) (2x + 2) (4x + 3) = $8x^2 + 14x + 6$

2) (3x + 6) (2x + 7) = $6x^2 + 33x + 42$

3) (9x + 8) (3x + 2) = $27x^2 + 42x + 16$

4) (4x + 1) (5x + 9) = $20x^2 + 41x + 9$

5) (4x + 5) (4x + 5) = $16x^2 + 40x + 25$

6) (8x + 2) (2x + 7) = $16x^2 + 60x + 14$

7) (2x + 4) (6x + 3) = $12x^2 + 30x + 12$

8) (9x + 1) (x + 1) = $9x^2 + 10x + 1$

9) (3x + 3) (x + 7) = $3x^2 + 24x + 21$

10) (6x + 8) (7x + 9) = $42x^2 + 110x + 72$