

FOIL: First, Outer, Inner, Last

Name _____

Worksheet # 6:

Use FOIL To Multiply the Binomials

1.) $(x + 5)(2x + 2)$

6.) $(2x + 3)(2x - 1)$

2.) $(x - 5)(4x - 1)$

7.) $(5x + 1)(3x - 2)$

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

8.) $(3x + 2)(4x + 2)$

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

9.) $(4x + 5)(4x + 3)$

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

10.) $(5x - 2)(5x + 4)$

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Answers

1.) $(x + 5)(2x + 2)$ $2x^2 + 12x + 10$

2.) $(x - 5)(4x - 1)$ $4x^2 - 21x + 5$

3.) $(2x - 5)(3x + 4)$ $6x^2 - 7x - 20$

4.) $(3x - 4)(2x + 5)$ $6x^2 + 7x - 20$

5.) $(4x - 5)(5x + 2)$ $20x^2 - 17x - 10$

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

7.) $(5x + 1)(3x - 2)$ $15x^2 - 7x - 2$

8.) $(3x + 2)(4x + 2)$ $12x^2 + 14x + 4$

9.) $(4x + 5)(4x + 3)$ $16x^2 + 32x + 15$

10.) $(5x - 2)(5x + 4)$ $25x^2 + 10x - 8$