

FOIL: First, Outer, Inner, Last

Name _____

Worksheet # 9:

Use FOIL To Multiply the Binomials

1. $(8x + 6)(-9x - 8)$

6. $(-3x - 8)(-7x - 5)$

2. $(4x + 4)(5x - 6)$

7. $(2x + 8)(x - 6)$

3. $(10x + 7)(-4x - 7)$

8. $(-2x + 7)(-9x - 10)$

4. $(5x - 8)(-7x - 8)$

9. $(5x - 1)(-3x + 7)$

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

10. $(-6x - 10)(x - 9)$

Worksheet # 9:Answers

$$1) (8x + 6)(-9x - 8) \\ -72x^2 - 118x - 48$$

$$2) (4x + 4)(5x - 6) \\ 20x^2 - 4x - 2$$

$$3) (10x + 7)(-4x - 7) \\ -40x^2 - 98x - 49$$

$$4) (5x - 8)(-7x - 8) \\ -35x^2 + 16x + 64$$

$$5) (9x + 4)(-5x - 5) \\ -45x^2 - 65x - 20$$

$$6) (-3x - 8)(-7x - 5) \\ 21x^2 + 71x + 40$$

$$7) (2x + 8)(x - 6) \\ 2x^2 - 4x - 48$$

$$8) (-2x + 7)(-9x - 10) \\ 18x^2 - 43x - 70$$

$$9) (5x - 1)(-3x + 7) \\ -15x^2 + 38x - 7$$

$$10) (-6x - 10)(x - 9) \\ -6x^2 + 44x + 90$$