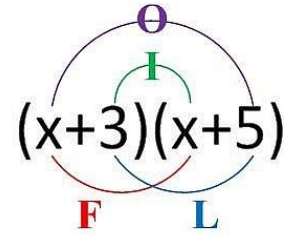


Name \_\_\_\_\_

Section \_\_\_\_\_

## Multiplying Binomials FOIL Practice Worksheet



Find Each Product.

1.  $(x + 1)(x + 1)$

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

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

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

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

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

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

8.  $(y + 6)(y + 5)$

9.  $(2x + 1)(x + 2)$

10.  $(y + 6)(3y + 2)$

11.  $(2x + 1)(2x + 1)$

**Multiplying Binomials Cont...**

12.  $(x + 5)(3x - 1)$

13.  $(2x - 1)(x - 3)$

14.  $(x + y)(x + y)$

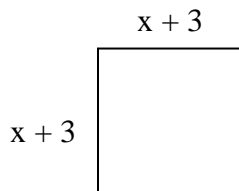
15.  $(3x + y)(x + y)$

16.  $(2x + y)(2x - y)$

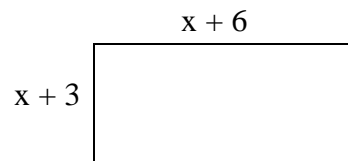
17.  $(3x - y)(x + 2y)$

**Find the area of each shape.**

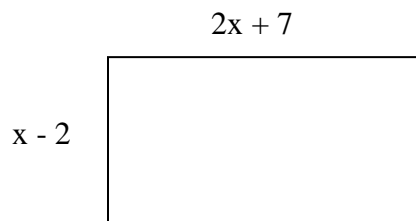
18.



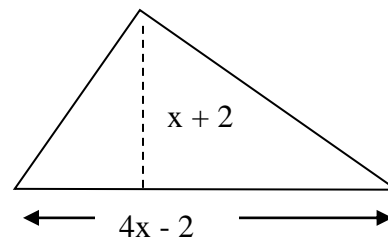
19.



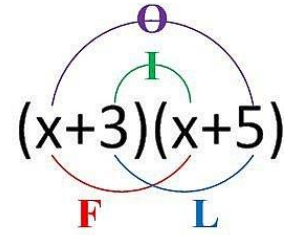
20.



21.



Answer Sheet  
**Multiplying Binomials**  
**FOIL Practice Worksheet**



**Find Each Product.**

1.  $(x + 1)(x + 1)$

$$x^2 + 2x + 1$$

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

$$x^2 + 3x + 2$$

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

$$x^2 + 5x + 6$$

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

$$x^2 + 5x + 6$$

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

$$x^2 + 7x + 12$$

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

$$x^2 - 4x - 12$$

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

$$x^2 - 9x + 20$$

8.  $(y + 6)(y + 5)$

$$y^2 + 11y + 30$$

9.  $(2x + 1)(x + 2)$

$$2x^2 + 5x + 2$$

10.  $(y + 6)(3y + 2)$

$$3y^2 + 20y + 12$$

11.  $(2x + 1)(2x + 1)$

$$4x^2 + 4x + 1$$

**Answers Multiplying Binomials Cont...**

**12.**  $(x + 5)(3x - 1)$

$$3x^2 + 14x - 5$$

**13.**  $(2x - 1)(x - 3)$

$$2x^2 - 7x + 3$$

**14.**  $(x + y)(x + y)$

$$x^2 + 2xy + y^2$$

**15.**  $(3x + y)(x + y)$

$$3x^2 + 4xy + y^2$$

**16.**  $(2x + y)(2x - y)$

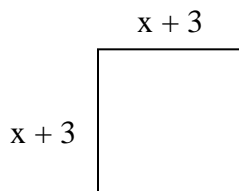
$$4x^2 - y^2$$

**17.**  $(3x - y)(x + 2y)$

$$3x^2 + 5xy - 2y^2$$

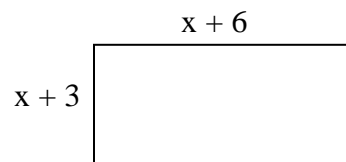
**Find the area of each shape.**

**18.**



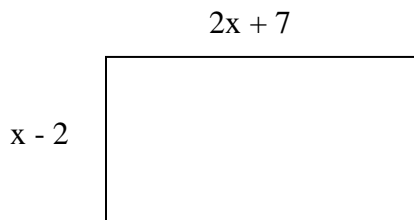
$$x^2 + 6x + 9$$

**19.**



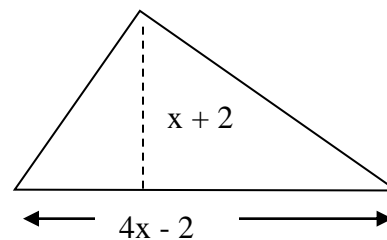
$$x^2 + 9x + 18$$

**20.**



$$2x^2 + 3x - 14$$

**21.**



$$2x^2 + 3x - 2$$