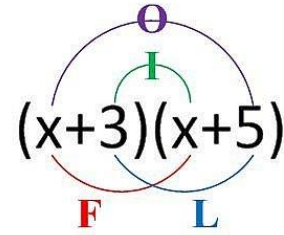


Answer Sheet  
**Multiplying Binomials**  
**FOIL Practice Worksheet**



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

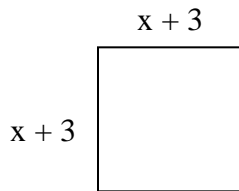
$$4x^2 - y^2$$

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

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

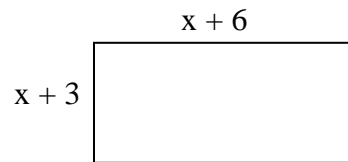
**Find the area of each shape.**

**18.**



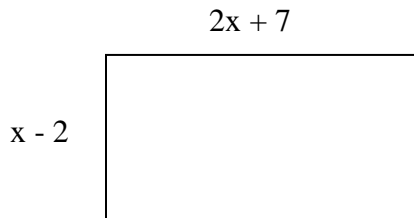
$$x^2 + 6x + 9$$

**19.**



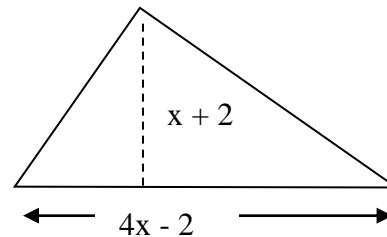
$$x^2 + 9x + 18$$

**20.**



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

**21.**



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