

Name: \_\_\_\_\_

## MULTIPLYING BINOMIALS WORKSHEET

Multiply the following

①  $(x + 2)(6x - 3)$

⑧  $(3x + 4)(3x - 4)$

②  $(-2x + x^2)(x + 5)$

⑨  $(x + 5)(x - 4)$

③  $(5x + 2)(5x - 2)$

⑩  $(4x + 5y)(4x + 3)$

④  $(3x + 1)(11x - y)$

⑪  $(6x - 9y)(8x + 10)$

⑤  $(6 - x)(3 - 2x)$

⑫  $(x + 1)(9x + 2)$

⑥  $(3x + 3)(4x + 2)$

⑬  $(2x + 11)(8y - 3)$

⑦  $(x - 8)(5x + 6)$

⑭  $(5 - x)(x + 11)$

Name: \_\_\_\_\_

# MULTIPLYING BINOMIALS WORKSHEET

## Answers

①  $(x + 2)(6x - 3)$

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

②  $(-2x + x^2)(x + 5)$

$$x^3 + 3x^2 - 10x$$

③  $(5x + 2)(5x - 2)$

$$25x^2 - 4$$

④  $(3x + 1)(11x - y)$

$$33x^2 - 3xy + 11x - y$$

⑤  $(6 - x)(3 - 2x)$

$$18 - 15x + 2x^2$$

⑥  $(3x + 3)(4x + 2)$

$$12x^2 + 18x + 6$$

⑦  $(x - 8)(5x + 6)$

$$5x^2 - 34x - 48$$

⑧  $(3x + 4)(3x - 4)$

$$9x^2 - 16$$

⑨  $(x + 5)(x - 4)$

$$x^2 + x - 20$$

⑩  $(4x + 5y)(4x + 3)$

$$16x^2 + 12x + 20xy + 15y$$

⑪  $(6x - 9y)(8x + 10)$

$$48x^2 + 60x - 72xy - 90y$$

⑫  $(x + 1)(9x + 2)$

$$9x^2 + 11x + 2$$

⑬  $(2x + 11)(8y - 3)$

$$16xy - 6x + 88y - 33$$

⑭  $(5 - x)(x + 11)$

$$-x^2 - 6x + 55$$