

KEY

**8-3 Multiplying Binomials**

Simplify completely (1-4):

1.  $(x + 3)(x + 7)$

$$x^2 + 10x + 21$$

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

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

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

$$6x^2 + 7x - 5$$

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

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

5.  $(2x - 3)^2$

$$4x^2 - 12x + 9$$