

$$x(a - b) = ax - bx$$

$$x(a + 2b - 3c) = \quad + \quad -$$

$$(\boxed{x + y})(a + 2b - 3c) = a(\quad) + 2b(\quad) - 3c(\quad)$$

$$= \quad + \quad + \quad + \quad - \quad -$$

$$\begin{array}{c}
 \curvearrowright \\
 \curvearrowright \\
 \boxed{x+y} (a-b) = a(\quad) - b(\quad) = \quad + \quad - \quad -
 \end{array}$$

$$\begin{array}{c}
 \curvearrowright \\
 \curvearrowright \\
 \boxed{x+3} (x-2) = x(\quad) - 2(\quad)
 \end{array}$$

$$= x^2 + \quad - \quad -$$

$$= x^2 + \quad -$$

$$=$$

$$\boxed{(x-3)}(x-4) = x(\quad) - 4(\quad)$$

$$= x^2$$

$$= x^2$$

=

$$\boxed{(x-7)}(x+5) = x(x-7) + 5(x-7)$$

$$= x^2$$

$$= x^2$$

=

$$\boxed{(2x+3)}(3x-4)$$

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

$$6x^2$$

$$\boxed{(3x-4)}(2x^2-3x+4) + 4(3x-4)$$

$$2x^2(3x-4) - 3x(3x-4)$$

$$6x^3$$