

Distributive Method:

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$$(x+4)(x+5) = x^2 + 5x + 4x + 20$$

$$= x^2 + 9x + 20$$

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$$6x^2 + 8x - 212x - 28$$

$$6x^2 - 13x - 28$$

$$7y: (2x-1)(4x+5)$$

$$8x^2 + 10x - 4x - 5$$

$$8x^2 + 6x - 5$$

$$(2x+3y)(4x-5y)$$

$$4x(8x^2+2xy) = 8x^2 + 2xy - 15y^2$$

$$-5y(-10xy-15y^2)$$

$$9x^2 + 6xy + 6xy + 4y^2$$

$$9x^2 + 12xy + 4y^2$$

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

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

