

Student Name: _____

Score: _____

Expand Using Identities

Identity 1: $(a + b)^2 = a^2 + 2ab + b^2$

Identity 2: $(a - b)^2 = a^2 - 2ab + b^2$

$(2x - y)^2$

$(3a + b)^2$

$(5a - 4b)^2$

$(mn + pq)^2$

$(11x - 8y)^2$

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Answers

$$(2x - y)^2$$

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

$$(3a + b)^2$$

$$9a^2 + 6ab + b^2$$

$$(5a - 4b)^2$$

$$25a^2 - 40ab + 16b^2$$

$$(mn + pq)^2$$

$$m^2n^2 + 2mnpq + p^2q^2$$

$$(11x - 8y)^2$$

$$121x^2 - 176xy + 64y^2$$