

氏名 ( ) 点数 \_\_\_\_\_

$$(1) \quad x^2 - 9x + 14 \\ = \underline{(x-2)(x-7)}$$

$$(2) \quad x^2 + 10x \\ = \underline{x(x+10)}$$

$$(3) \quad x^2 - 81 \\ = \underline{(x+9)(x-9)}$$

$$(4) \quad a^2 + 8a + 16 \\ = \underline{(a+4)^2}$$

$$(5) \quad a^2 - 5a - 6 \\ = \underline{(a-6)(a+1)}$$

$$(6) \quad x^2 - 14x + 49 \\ = \underline{(x-7)^2}$$

$$(7) \quad 4xy^2 - 12x^2y^2 - 20x^3y \\ = \underline{4xy(y-3xy-5x^2)}$$

$$(8) \quad 16x^2 - 36y^2 \\ = 4(4x^2 - 9y^2) \\ = \underline{4(2x+3y)(2x-3y)}$$

$$(9) \quad x^2 - 2xy - 15y^2 \\ = \underline{(x+3y)(x-5y)}$$

$$(10) \quad x^2 - 8xy + 16y^2 \\ = \underline{(x-4y)^2}$$