

DM3-02B 式の展開：乗法公式 標準 解答

【1】 $(x + a)(x + b)$ の形

(1) $x^2 + 9x + 14$

(2) $x^2 + 5x - 24$

(3) $x^2 - x - 20$

(4) $x^2 - 8x + 12$

(5) $a^2 + 8a - 9$

(6) $a^2 - 4a - 21$

(7) $y^2 - 12y + 32$

(8) $m^2 + m - 30$

【2】係数付きの平方の公式

(9) $4x^2 + 12x + 9$

(10) $9a^2 + 6a + 1$

(11) $4x^2 - 20x + 25$

(12) $9a^2 - 24a + 16$

(13) $16x^2 + 8x + 1$

(14) $25a^2 - 20a + 4$

(15) $4x^2 - 12x + 9$

(16) $9a^2 + 6a + 1$

【3】係数付きの和と差の積

(17) $4x^2 - 9$

(18) $9a^2 - 1$

(19) $16x^2 - 25$

(20) $25a^2 - 4$

(21) $x^2 - 16y^2$

(22) $a^2 - 9b^2$

(23) $4x^2 - 25y^2$

(24) $9a^2 - 4b^2$

【4】乗法公式の標準練習

(25) $2x^2 + 11x + 5$

(26) $3a^2 + 10a - 8$

(27) $x^2 + 4xy + 4y^2$

(28) $a^2 - 6ab + 9b^2$

(29) $4x^2 - 4xy + y^2$

(30) $9a^2 + 6ab + b^2$

(31) $x^2 - 25y^2$

(32) $16a^2 - b^2$