

✔ 応用編テスト: 中3数学(多項式の計算)

【問題】 (全10問／25点)

① $(x + 3)^2 - (x + 1)^2 =$

② $(x + 2)(x - 3) + (x - 2)^2 =$

③ $(2x + 1)^2 - (x - 4)^2 =$

④ $a(a + b)^2 =$

⑤ $(2x + 3)(2x - 3) + 4 =$

⑥ $(x + 1)^2 + (x - 1)^2 =$

⑦ $[(x + 4)^2 - (x - 4)^2] \div 8x =$

⑧ $(2x - 1)^2 - 4x(2x - 1) =$

⑨ $x(x - 2) - (x - 2)^2 =$

⑩ $(x + 2)(x + 3) - x^2 =$

【解答】

① $4x + 8$

② $2x^2 - 5x - 2$

③ $3x^2 + 12x - 15$

④ $ax^2 + 2abx + ab^2$

⑤ $4x^2 - 5$

⑥ $2x^2 + 2$

⑦ 2

⑧ $-4x^2 + 1$

⑨ $2x - 4$

⑩ $5x + 6$