

✓ 単元まとめチェックテスト: 中3数学(多項式の計算)

【問題】 (全15問/30点)

① $3x(x + 4) =$

② $-2a^2(5a - 1) =$

③ $9x^2y \div 3x =$

④ $-15a^2b^2 \div 5ab =$

⑤ $(x + 2)(x + 7) =$

⑥ $(x - 4)(x + 5) =$

⑦ $(2x - 3)(x - 1) =$

⑧ $(x + 6)^2 =$

⑨ $(x - 5)^2 =$

⑩ $(x + 2)(x - 2) =$

⑪ $x(x + 1) + (x + 1)^2 =$

⑫ $2x(x - 3) - (x - 3)^2 =$

⑬ $(x + 3)^2 - x^2 =$

⑭ $(2x - 1)^2 =$

⑮ $x(x + 2) - (x + 1)^2 =$

【解答】

① $3x^2 + 12x$

② $-10a^3 + 2a^2$

③ $3xy$

④ $-3ab$

⑤ $x^2 + 9x + 14$

⑥ $x^2 + x - 20$

⑦ $2x^2 - 5x + 3$

⑧ $x^2 + 12x + 36$

⑨ $x^2 - 10x + 25$

⑩ $x^2 - 4$

⑪ $2x^2 + 3x + 1$

⑫ $x^2 - 9$

⑬ $6x + 9$

⑭ $4x^2 - 4x + 1$

⑮ -1