

愛媛県立入試計算問題(R2~6)

**愛媛 401**

- 1  $-5+8$
- 2  $(-\frac{15}{2}) \div (-\frac{5}{4})$
- 3  $(-2a)^2 \times 3a$
- 4  $(\sqrt{2}+1)^2 - \frac{6}{\sqrt{2}}$
- 5  $(x+4)(x-4) + (x-6)(x-1)$

**愛媛 402**

- 1  $5 - (-2)$
- 2  $4(x-2y) + 3(x+2y-1)$
- 3  $\frac{21}{8}x^2y \div (-\frac{7}{6}x)$
- 4  $(\sqrt{6}-2)(\sqrt{6}+5) - \frac{4\sqrt{3}}{\sqrt{2}}$
- 5  $(3x+1)(x-4) - (x-3)^2$

**愛媛 403**

- 1  $-5-6$
- 2  $\frac{x-4y}{3} + \frac{x+3y}{2}$
- 3  $(5x^2y-2xy^2) \div xy$
- 4  $\frac{\sqrt{6}}{\sqrt{2}} - (\sqrt{3}-1)^2$
- 5  $(a-3)(a+3) + (a+4)(a+6)$

**愛媛 404**

- 1  $(-3) \times 7$
- 2  $\frac{x}{2} - 2 + (\frac{x}{3} - 1)$
- 3  $24xy^2 \div (-8xy) \times 2x$
- 4  $(\sqrt{3} + \sqrt{2})(2\sqrt{3} + \sqrt{2}) + \frac{12}{\sqrt{6}}$
- 5  $(x-5)^2 - (x+4)(x-4)$

**愛媛 405**

- 1  $-5+3$
- 2  $3(3a-2b) - 6(a - \frac{1}{3}b)$
- 3  $8x^2y \times 3y \div 6x^2$
- 4  $(2\sqrt{3}+1)(2\sqrt{3}-1) - \frac{\sqrt{12}}{\sqrt{3}}$
- 5  $(x-4)(x-3) - (x+4)^2$

**愛媛 406**

- 1  $-3+7$
- 2  $(-\frac{9}{4}) \div (-\frac{3}{8})$
- 3  $(-3a)^2 \times 4a$
- 4  $(\sqrt{3}+2)^2 - \frac{15}{\sqrt{3}}$
- 5  $(x+5)(x-5) + (x-3)(x-2)$

**愛媛 407**

- 1  $8 - (-3)$
- 2  $5(x-2y) + 3(x+3y-1)$
- 3  $\frac{25}{8}x^2y \div (-\frac{5}{6}x)$
- 4  $(\sqrt{6}-2)(\sqrt{6}+3) - \frac{2\sqrt{3}}{\sqrt{2}}$
- 5  $(2x+1)(x-3) - (x-2)^2$

**愛媛 408**

- 1  $-3-7$
- 2  $\frac{2x-y}{4} + \frac{x+2y}{3}$
- 3  $(7x^2y-3xy^2) \div xy$
- 4  $\frac{\sqrt{10}}{\sqrt{2}} - (\sqrt{5}-2)^2$
- 5  $(a-5)(a+5) + (a+3)(a+6)$

**愛媛 409**

- 1  $(-6) \times 8$
- 2  $\frac{x}{2} - 3 + (\frac{x}{5} - 1)$
- 3  $36xy^2 \div (-6xy) \times 3x$
- 4  $(\sqrt{3} + \sqrt{2})(3\sqrt{3} + \sqrt{2}) + \frac{6}{\sqrt{6}}$
- 5  $(x-3)^2 - (x+4)(x-4)$

**愛媛 410**

- 1  $-7+2$
- 2  $3(4a-b) - 8(a - \frac{1}{4}b)$
- 3  $9x^2y \times 4y \div 6x^2$
- 4  $(2\sqrt{5}+1)(2\sqrt{5}-1) - \frac{\sqrt{18}}{\sqrt{2}}$
- 5  $(x-4)(x-3) - (x+2)^2$

**愛媛 411**

- 1  $-4+9$
- 2  $(-\frac{4}{3}) \div (-\frac{2}{9})$
- 3  $(-2a)^2 \times 5a$
- 4  $(\sqrt{5}+2)^2 - \frac{15}{\sqrt{5}}$
- 5  $(x+7)(x-7) + (x-5)(x-3)$

**愛媛 412**

- 1  $4 - (-5)$
- 2  $4(x-2y) + 2(x+3y-1)$
- 3  $\frac{15}{8}x^2y \div (-\frac{5}{6}x)$
- 4  $(\sqrt{6}-4)(\sqrt{6}+3) - \frac{4\sqrt{3}}{\sqrt{2}}$
- 5  $(3x+1)(x-4) - (x-5)^2$

**愛媛 413**

- 1  $-3-6$
- 2  $\frac{2x-5y}{3} + \frac{x+3y}{2}$
- 3  $(9x^2y-5xy^2) \div xy$
- 4  $\frac{\sqrt{10}}{\sqrt{5}} - (\sqrt{2}-2)^2$
- 5  $(a-6)(a+6) + (a+7)(a+5)$

**愛媛 414**

- 1  $(-3) \times 9$
- 2  $\frac{x}{3} - 2 + (\frac{x}{5} - 1)$
- 3  $42xy^2 \div (-6xy) \times 4x$
- 4  $(\sqrt{5} + \sqrt{2})(2\sqrt{5} + \sqrt{2}) + \frac{20}{\sqrt{10}}$
- 5  $(x-3)^2 - (x+2)(x-2)$

**愛媛 415**

- 1  $-9+5$
- 2  $5(2a-b) - 4(a - \frac{1}{2}b)$
- 3  $4x^2y \times 3y \div 6x^2$
- 4  $(3\sqrt{2}+1)(3\sqrt{2}-1) - \frac{\sqrt{20}}{\sqrt{5}}$
- 5  $(x-5)(x-4) - (x+3)^2$

**愛媛 416**

- 1  $-2+7$
- 2  $(-\frac{21}{2}) \div (-\frac{7}{4})$
- 3  $(-3a)^2 \times 2a$
- 4  $(\sqrt{3}+1)^2 - \frac{9}{\sqrt{3}}$
- 5  $(x+2)(x-2) + (x-3)(x-1)$

**愛媛 417**

- 1  $3 - (-4)$
- 2  $4(x-3y) + 3(x+3y-1)$
- 3  $\frac{15}{8}x^2y \div (-\frac{5}{4}x)$
- 4  $(\sqrt{6}-3)(\sqrt{6}+5) - \frac{6\sqrt{3}}{\sqrt{2}}$
- 5  $(3x+1)(x-2) - (x-3)^2$

**愛媛 418**

- 1  $-4-5$
- 2  $\frac{2x-3y}{5} + \frac{x+3y}{2}$
- 3  $(8x^2y-3xy^2) \div xy$
- 4  $\frac{\sqrt{21}}{\sqrt{3}} - (\sqrt{7}-3)^2$
- 5  $(a-3)(a+3) + (a+2)(a+5)$

**愛媛 419**

- 1  $(-4) \times 7$
- 2  $\frac{x}{2} - 2 + (\frac{x}{5} - 1)$
- 3  $40xy^2 \div (-5xy) \times 3x$
- 4  $(\sqrt{3} + \sqrt{2})(2\sqrt{3} + \sqrt{2}) + \frac{6}{\sqrt{6}}$
- 5  $(x-7)^2 - (x+6)(x-6)$

**愛媛 420**

- 1  $-11+4$
- 2  $3(4a-3b) - 6(a - \frac{1}{3}b)$
- 3  $4x^2y \times 6y \div 3x^2$
- 4  $(2\sqrt{5}+1)(2\sqrt{5}-1) - \frac{\sqrt{27}}{\sqrt{3}}$
- 5  $(x-3)(x-2) - (x+2)^2$