愛媛県・県立入試計算練習問題（R2〜R8）

愛媛 461

1. $(-42) \div (-6)$
2. $-\dfrac{5}{6} + \dfrac{3}{4}$
3. $(16a^2b - 40ab^2) \div 8ab$
4. $\sqrt{50} - 4\sqrt{2} - \dfrac{6}{\sqrt{2}}$
5. $(2x+1)(2x-1) - (x-2)^2$

愛媛 462

1. $(-3) \times 5$
2. $\dfrac{3}{4} - (-\dfrac{2}{5})$
3. $24a^2b \div (-3a) \div (-b)$
4. $(2 - \sqrt{3})(2 + \sqrt{3}) - \dfrac{\sqrt{20}}{\sqrt{5}}$
5. $(x+1)^2 + (x-3)(x+4)$

愛媛 463

1. $-3 + 9$
2. $(-\dfrac{9}{4}) \div (-\dfrac{3}{2})$
3. $(-2a)^2 \times 3a$
4. $(\sqrt{5} + 1)^2 - \dfrac{20}{\sqrt{5}}$
5. $(x+5)(x-5) + (x-4)(x-1)$

愛媛 464

1. $3 - (-6)$
2. $4(x-2y) + 3(x+2y-1)$
3. $\dfrac{9}{10}x^2y \div (-\dfrac{3}{5}x)$
4. $(\sqrt{6} - 2)(\sqrt{6} + 3) - \dfrac{6\sqrt{3}}{\sqrt{2}}$
5. $(2x+1)(x-3) - (x-4)^2$

愛媛 465

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

愛媛 466

1. $(-3) \times 4$
2. $\dfrac{x}{4} - 2 + (\dfrac{x}{3} - 1)$
3. $24xy^2 \div (-8xy) \times 5x$
4. $(\sqrt{5} + \sqrt{2})(2\sqrt{5} + \sqrt{2}) + \dfrac{10}{\sqrt{10}}$
5. $(x-5)^2 - (x+3)(x-3)$

愛媛 467

1. $-7 + 2$
2. $3(3a-2b) - 4(a - \dfrac{1}{2}b)$
3. $6x^2y \times 2y \div 4x^2$
4. $(2\sqrt{3} + 1)(2\sqrt{3} - 1) - \dfrac{\sqrt{12}}{\sqrt{3}}$
5. $(x-5)(x-3) - (x+2)^2$

愛媛 468

1. $(-35) \div (-5)$
2. $-\dfrac{1}{6} + \dfrac{3}{4}$
3. $(12a^2b - 20ab^2) \div 4ab$
4. $\sqrt{63} - 4\sqrt{7} - \dfrac{21}{\sqrt{7}}$
5. $(3x+1)(3x-1) - (x-4)^2$

愛媛 469

1. $(-2) \times 7$
2. $\dfrac{2}{3} - (-\dfrac{1}{5})$
3. $20a^2b \div (-4a) \div (-b)$
4. $(3 - \sqrt{2})(3 + \sqrt{2}) - \dfrac{\sqrt{18}}{\sqrt{2}}$
5. $(x+2)^2 + (x-1)(x+3)$

愛媛 470

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

愛媛 471

1. $2 - (-4)$
2. $4(x-2y) + 3(x+3y-2)$
3. $\dfrac{15}{8}x^2y \div (-\dfrac{5}{4}x)$
4. $(\sqrt{6} - 3)(\sqrt{6} + 4) - \dfrac{9\sqrt{2}}{\sqrt{3}}$
5. $(3x+1)(x-4) - (x-3)^2$

愛媛 472

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

愛媛 473

1. $(-4) \times 7$
2. $\dfrac{x}{3} - 2 + (\dfrac{x}{5} - 1)$
3. $36xy^2 \div (-9xy) \times 2x$
4. $(\sqrt{2} + \sqrt{3})(3\sqrt{2} + \sqrt{3}) + \dfrac{12}{\sqrt{6}}$
5. $(x-3)^2 - (x+2)(x-2)$

愛媛 474

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

愛媛 475

1. $(-36) \div (-4)$
2. $-\dfrac{4}{9} + \dfrac{5}{6}$
3. $(24a^2b - 36ab^2) \div 6ab$
4. $\sqrt{45} - 5\sqrt{5} - \dfrac{10}{\sqrt{5}}$
5. $(2x+1)(2x-1) - (x-3)^2$

愛媛 476

1. $(-4) \times 5$
2. $\dfrac{1}{4} - (-\dfrac{2}{5})$
3. $18a^2b \div (-3a) \div (-2b)$
4. $(3 - \sqrt{5})(3 + \sqrt{5}) - \dfrac{\sqrt{45}}{\sqrt{5}}$
5. $(x+3)^2 + (x-2)(x+5)$

愛媛 477

1. $-5 + 9$
2. $(-\dfrac{21}{10}) \div (-\dfrac{7}{6})$
3. $(-2a)^2 \times 4a$
4. $(\sqrt{2} + 1)^2 - \dfrac{6}{\sqrt{2}}$
5. $(x+4)(x-4) + (x-5)(x-2)$

愛媛 478

1. $4 - (-5)$
2. $4(x-3y) + 3(x+3y-1)$
3. $\dfrac{21}{10}x^2y \div (-\dfrac{7}{8}x)$
4. $(\sqrt{10} - 2)(\sqrt{10} + 3) - \dfrac{4\sqrt{5}}{\sqrt{2}}$
5. $(3x+1)(x-3) - (x-2)^2$

愛媛 479

1. $-2 - 6$
2. $\dfrac{2x-y}{3} + \dfrac{x+5y}{2}$
3. $(5x^2y - 2xy^2) \div xy$
4. $\dfrac{\sqrt{15}}{\sqrt{5}} - (\sqrt{3} - 2)^2$
5. $(a-7)(a+7) + (a+5)(a+6)$

愛媛 480

1. $(-4) \times 6$
2. $\dfrac{x}{2} - 2 + (\dfrac{x}{3} - 1)$
3. $48xy^2 \div (-8xy) \times 3x$
4. $(\sqrt{3} + \sqrt{2})(2\sqrt{3} + \sqrt{2}) + \dfrac{12}{\sqrt{6}}$
5. $(x-4)^2 - (x+2)(x-2)$