

愛媛県・県立入試計算練習問題 (H13-16, R2-7)

愛媛 441
1 $(-2) \times 6$
2 $\frac{1}{4} - (-\frac{2}{5})$
3 $30a^2b \div (-3a) \div (-b)$
4 $(3 - \sqrt{2})(3 + \sqrt{2}) - \frac{\sqrt{12}}{\sqrt{3}}$
5 $(x+1)^2 + (x-3)(x+4)$
愛媛 442
1 $-3 + 7$
2 $(-\frac{9}{5}) \div (-\frac{3}{10})$
3 $(-2a)^2 \times 3a$
4 $(\sqrt{5} + 1)^2 - \frac{20}{\sqrt{5}}$
5 $(x+4)(x-4) + (x-3)(x-1)$
愛媛 443
1 $5 - (-4)$
2 $4(x-2y) + 3(2x+y-3)$
3 $\frac{21}{8}x^2y \div (-\frac{7}{6}x)$
4 $(\sqrt{6} - 2)(\sqrt{6} + 4) - \frac{6\sqrt{3}}{\sqrt{2}}$
5 $(3x+1)(x-2) - (x-3)^2$
愛媛 444
1 $-3 - 7$
2 $\frac{2x-y}{3} + \frac{x+3y}{2}$
3 $(5x^2y - 4xy^2) \div xy$
4 $\frac{\sqrt{10}}{\sqrt{2}} - (\sqrt{5} - 3)^2$
5 $(a-4)(a+4) + (a+3)(a+2)$

愛媛 445
1 $(-3) \times 4$
2 $\frac{x}{3} - 2 + (\frac{x}{5} - 1)$
3 $24xy^2 \div (-6xy) \times 2x$
4 $(\sqrt{3} + \sqrt{2})(2\sqrt{3} + \sqrt{2}) + \frac{12}{\sqrt{6}}$
5 $(x-4)^2 - (x+3)(x-3)$
愛媛 446
1 $-5 + 3$
2 $3(3a-2b) - 4(a - \frac{1}{2}b)$
3 $4x^2y \times 6y \div 8x^2$
4 $(2\sqrt{5} + 3)(2\sqrt{5} - 3) - \frac{\sqrt{27}}{\sqrt{3}}$
5 $(x-4)(x-2) - (x+1)^2$
愛媛 447
1 $-7 + 5$
2 $4(2a+b-3) + 3(a-2b)$
3 $(8x-4) \times \frac{1}{4}x$
4 $(\sqrt{5} + 3)^2 - \frac{15}{\sqrt{5}}$
5 $(x+3)(x-3) - (x-5)(x+3)$
愛媛 448
1 $(-3) \times 6$
2 $4(2x+y) - 3(x-2y)$
3 $(15a^2 + 10ab) \div 5a$
4 $\sqrt{18} + \frac{4}{\sqrt{2}} - 4\sqrt{2}$
5 $(x+2)(x-5) - (x-3)^2$

愛媛 449
1 $5 + (-8)$
2 $(15ab^2 + 6ab) \div 3ab$
3 $(\sqrt{7} - 1)^2 + \frac{21}{\sqrt{7}}$
4 $(x-2)(x+3) - (x+3)(x-3)$
5 $\frac{1}{4}(3x+5) - \frac{1}{6}(x-1)$
愛媛 450
1 $(-28) \div 7$
2 $6ab^2 \times 4ab \div 3a^2$
3 $(\sqrt{2} + 1)(\sqrt{2} + 2) - \frac{6}{\sqrt{2}}$
4 $(x+3)^2 - (x+5)(x-4)$
5 $\frac{1}{5}(2x+3) + \frac{1}{2}(x-5)$
愛媛 451
1 $(-2) \times 7$
2 $\frac{3}{4} - (-\frac{1}{5})$
3 $24a^2b \div (-2a) \div (-b)$
4 $(3 - \sqrt{3})(3 + \sqrt{3}) - \frac{\sqrt{27}}{\sqrt{3}}$
5 $(x+2)^2 + (x-2)(x+3)$
愛媛 452
1 $-5 + 8$
2 $(-\frac{15}{2}) \div (-\frac{5}{4})$
3 $(-3a)^2 \times 4a$
4 $(\sqrt{2} + 1)^2 - \frac{10}{\sqrt{2}}$
5 $(x+5)(x-5) + (x-4)(x-1)$

愛媛 453
1 $3 - (-5)$
2 $3(x-2y) + 2(x+3y-2)$
3 $\frac{10}{9}x^2y \div (-\frac{5}{6}x)$
4 $(\sqrt{6} - 3)(\sqrt{6} + 2) - \frac{9\sqrt{2}}{\sqrt{3}}$
5 $(2x+1)(x-3) - (x-2)^2$
愛媛 454
1 $-5 - 6$
2 $\frac{3x-y}{4} + \frac{2x+3y}{3}$
3 $(7x^2y - 5xy^2) \div xy$
4 $\frac{\sqrt{15}}{\sqrt{5}} - (\sqrt{3} - 1)^2$
5 $(a-5)(a+5) + (a+4)(a+3)$
愛媛 455
1 $(-3) \times 7$
2 $\frac{x}{2} - 3 + (\frac{x}{3} - 2)$
3 $32xy^2 \div (-8xy) \times 3x$
4 $(\sqrt{5} + \sqrt{2})(2\sqrt{5} + \sqrt{2}) + \frac{10}{\sqrt{10}}$
5 $(x-3)^2 - (x+2)(x-2)$
愛媛 456
1 $-7 + 2$
2 $3(4a-b) - 6(a - \frac{1}{2}b)$
3 $9x^2y \times 2y \div 6x^2$
4 $(3\sqrt{2} + 2)(3\sqrt{2} - 2) - \frac{\sqrt{12}}{\sqrt{3}}$
5 $(x-5)(x-3) - (x+3)^2$

愛媛 457
1 $-8 + 4$
2 $3(a+2b-3) + 2(a-3b)$
3 $(9x-3) \times \frac{1}{3}x$
4 $(\sqrt{3} + 2)^2 - \frac{9}{\sqrt{3}}$
5 $(x+2)(x-2) - (x-3)(x+1)$
愛媛 458
1 $(-2) \times 7$
2 $3(4x+y) - 2(3x-2y)$
3 $(30a^2 + 12ab) \div 6a$
4 $\sqrt{12} + \frac{9}{\sqrt{3}} - 4\sqrt{3}$
5 $(x+3)(x-4) - (x-2)^2$
愛媛 459
1 $4 + (-9)$
2 $(30ab^2 + 12ab) \div 6ab$
3 $(\sqrt{5} - 1)^2 + \frac{15}{\sqrt{5}}$
4 $(x-2)(x+3) - (x+4)(x-4)$
5 $\frac{1}{4}(3x+5) - \frac{1}{5}(2x-1)$
愛媛 460
1 $(-24) \div 6$
2 $8ab^2 \times 3ab \div 4a^2$
3 $(\sqrt{3} + 2)(\sqrt{3} + 3) - \frac{15}{\sqrt{3}}$
4 $(x+5)^2 - (x+4)(x-2)$
5 $\frac{1}{5}(3x+1) + \frac{1}{2}(x-3)$