愛媛県・県立入試計算問題練習

1

1 $(-36)\div 9$

2 $\frac{1}{5}-(-\frac{3}{4})$

3 $4(-a-3b+2)-3(a-3b)$

4 $24x^2y\div 3y\div(-4x)$

5 $(3+\sqrt{2})(3-\sqrt{2})-\frac{\sqrt{32}}{\sqrt{2}}$

6 $(x-3)(x+5)+(x-2)^2$

2

1 $3+(-7)$

2 $(-1.5)\times 0.4$

3 $3(x-3y-2)+2(x+y-3)$

4 $8a^2b-ab\times 3a$

5 $(\sqrt{3}-2)^2+\frac{\sqrt{18}}{\sqrt{6}}$

6 $(x+4)(x-4)-(x+2)(x-5)$

3

1 $-4-3$

2 $(-4)^2\times\frac{1}{12}$

3 $4(x-2y)+(x+5y-6)$

4 $24ab^2\div 6ab\times 3b$

5 $\frac{6}{\sqrt{2}}+(3+\sqrt{2})(2-\sqrt{2})$

6 $(x+5)^2-(x-6)(x-7)$

4

1 $4-(-3)$

2 $\frac{9}{10}\div(-\frac{3}{5})$

3 $(x+2y-3)-3(2x-y-5)$

4 $(18a^2+3ab)\div 3a$

5 $\sqrt{2}(\sqrt{6}+\sqrt{2})-\frac{9}{\sqrt{3}}$

6 $(x+3)(x-3)+(x+4)(x+2)$

5

1 $(-56)\div(-7)$

2 $\frac{4}{9}-\frac{5}{6}$

3 $3(-a+2b-5)-(3a+7b-4)$

4 $18ab-12ab^2\div 3b$

5 $\frac{6}{\sqrt{12}}-(\sqrt{3}-2)^2$

6 $(x-3)(x-5)+(x+4)(x-4)$

6

1 $(-4)+(-5)$

2 $0.3\times(-0.4)$

3 $3(2x-3y+1)-2(x-5y-7)$

4 $36ab^2\div 3b\div 4ab$

5 $(\sqrt{12}+1)(\sqrt{12}+3)-\frac{12}{\sqrt{12}}$

6 $(x+2)(x-4)-(x-6)^2$

7

1 $18\div(-6)$

2 $-\frac{3}{4}+\frac{5}{6}$

3 $4(2x-3y)-3(x-2y-1)$

4 $45a^2b\div 20a^2\times 8ab$

5 $(\sqrt{8}+3)(\sqrt{8}-2)+\frac{6}{\sqrt{2}}$

6 $(x+3)(x+5)-(x-6)^2$

8

1 $4\times(-8)$

2 $\frac{7}{15}-\frac{3}{5}$

3 $5(a-3b+2)-3(a-3b)$

4 $(-6x^2+9x)\div 9x$

5 $\frac{10}{\sqrt{5}}+(2-\sqrt{5})^2$

6 $(x+5)^2-(x+4)(x-4)$

9

1 $(-24)\div 8$

2 $\frac{2}{3}-(-\frac{1}{2})$

3 $2(-2a-b+3)-3(a-2b)$

4 $24x^2y\div 4y\div(-2x)$

5 $(3+\sqrt{5})(3-\sqrt{5})-\frac{\sqrt{75}}{\sqrt{3}}$

6 $(x-3)(x+4)+(x-5)^2$

10

1 $2+(-8)$

2 $(-2.5)\times 0.6$

3 $5(x-2y-1)+3(x+y-2)$

4 $9a^2b-ab\times 4a$

5 $(\sqrt{5}-1)^2+\frac{\sqrt{10}}{\sqrt{2}}$

6 $(x+6)(x-6)-(x+1)(x-5)$

11

1 $-5-2$

2 $(-6)^2\times\frac{1}{20}$

3 $3(x-3y)+(x+6y-5)$

4 $28ab^2\div 4ab\times 3b$

5 $\frac{10}{\sqrt{5}}+(3+\sqrt{5})(2-\sqrt{5})$

6 $(x+2)^2-(x-3)(x-4)$

12

1 $5-(-4)$

2 $\frac{15}{14}\div(-\frac{5}{7})$

3 $(x+3y-2)-2(3x-y-5)$

4 $(24a^2+4ab)\div 4a$

5 $\sqrt{3}(\sqrt{15}+\sqrt{3})-\frac{20}{\sqrt{5}}$

6 $(x+5)(x-5)+(x+3)(x+4)$

13

1 $(-42)\div(-7)$

2 $\frac{3}{8}-\frac{5}{6}$

3 $2(-a+3b-5)-(3a+7b-6)$

4 $18ab-8ab^2\div 4b$

5 $\frac{12}{\sqrt{18}}-(\sqrt{2}-3)^2$

6 $(x-3)(x-7)+(x+2)(x-2)$

14

1 $(-3)+(-6)$

2 $0.2\times(-0.7)$

3 $4(2x-4y+1)-3(x-2y-5)$

4 $45ab^2\div 3b\div 5ab$

5 $(\sqrt{8}+1)(\sqrt{8}+5)-\frac{12}{\sqrt{8}}$

6 $(x+1)(x-3)-(x-5)^2$

15

1 $21\div(-7)$

2 $-\frac{1}{6}+\frac{4}{9}$

3 $5(x-2y)-3(x-4y-2)$

4 $24a^2b\div 18a^2\times 9ab$

5 $(\sqrt{12}+4)(\sqrt{12}-3)+\frac{12}{\sqrt{3}}$

6 $(x+2)(x+4)-(x-1)^2$

16

1 $5\times(-7)$

2 $\frac{7}{12}-\frac{3}{4}$

3 $5(a-2b+3)-2(a-3b)$

4 $(-6x^2+8x)\div 8x$

5 $\frac{21}{\sqrt{7}}+(2-\sqrt{7})^2$

6 $(x+3)^2-(x+2)(x-2)$

17

1 $(-45)\div 9$

2 $\frac{1}{3}-(-\frac{3}{4})$

3 $5(-2a-b+1)-3(a-2b)$

4 $36x^2y\div 4y\div(-3x)$

5 $(3+\sqrt{2})(3-\sqrt{2})-\frac{\sqrt{27}}{\sqrt{3}}$

6 $(x-3)(x+6)+(x-2)^2$

18

1 $5+(-9)$

2 $(-2.5)\times 0.8$

3 $2(x-y-3)+3(2x+y-1)$

4 $7a^2b-ab\times 5a$

5 $(\sqrt{2}-3)^2+\frac{\sqrt{14}}{\sqrt{7}}$

6 $(x+5)(x-5)-(x+2)(x-4)$

19

1 $-4-5$

2 $(-6)^2\times\frac{1}{27}$

3 $4(x-2y)+(x+3y-7)$

4 $36ab^2\div 4ab\times 3b$

5 $\frac{9}{\sqrt{3}}+(4+\sqrt{3})(3-\sqrt{3})$

6 $(x+4)^2-(x-2)(x-3)$

20

1 $2-(-7)$

2 $\frac{21}{8}\div(-\frac{7}{4})$

3 $(x+5y-1)-3(2x-3y-1)$

4 $(42a^2+6ab)\div 6a$

5 $\sqrt{5}(\sqrt{10}+\sqrt{5})-\frac{8}{\sqrt{2}}$

6 $(x+3)(x-3)+(x+1)(x+2)$