愛媛県・県立入試計算問題練習⑰

321

1 $24 \div (-6)$

2 $\frac{5}{12} - \frac{3}{8}$

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

4 $18ab^2 \div 3ab \times (-4b)$

5 $\sqrt{6}\,(\sqrt{3} + \sqrt{6}\,) - \frac{10}{\sqrt{2}}$

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

322

1 $(-4) \times (-9)$

2 $(-\frac{5}{6}) + \frac{4}{9}$

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

4 $14x^2y \div (-6xy) \times 3y$

5 $\sqrt{12} - \frac{9}{\sqrt{3}} + 5\sqrt{3}$

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

323

1 $-3+7$

2 $1.7 \times (-3)$

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

4 $(12a^2 - 9a) \div 3a$

5 $\frac{12}{\sqrt{6}} - (1+\sqrt{6}\,)(3-\sqrt{6}\,)$

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

324

1 $(-24) \div 8$

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

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

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

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

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

325

1 $5 + (-11)$

2 $(-2.5) \times 0.6$

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

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

5 $(\sqrt{3}\,-2)^2 + \frac{\sqrt{15}}{\sqrt{5}}$

6 $(x+5)(x-5) - (x+1)(x-7)$

326

1 $-5-2$

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

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

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

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

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

327

1 $5 - (-6)$

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

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

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

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

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

328

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

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

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

4 $20ab - 12ab^2 \div 4b$

5 $\frac{18}{\sqrt{12}} - (\sqrt{3}\,-1)^2$

6 $(x-3)(x-7) + (x+4)(x-4)$

329

1 $(-7) + (-2)$

2 $0.3 \times (-0.4)$

3 $3(2x-3y+5) - 2(x-4y-7)$

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

5 $(\sqrt{12}\,+1)(\sqrt{12}\,+5) - \frac{30}{\sqrt{12}}$

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

330

1 $18 \div (-6)$

2 $-\frac{1}{4} + \frac{5}{6}$

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

4 $15a^2b \div 6a^2 \times 4ab$

5 $(\sqrt{8}\,+3)(\sqrt{8}\,-2) + \frac{10}{\sqrt{2}}$

6 $(x+3)(x+5) - (x-7)^2$

331

1 $24 \div (-4)$

2 $\frac{5}{9} - \frac{7}{12}$

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

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

5 $\sqrt{6}\,(\sqrt{2} + \sqrt{6}\,) - \frac{21}{\sqrt{3}}$

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

332

1 $(-4) \times (-9)$

2 $(-\frac{5}{6}) + \frac{7}{9}$

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

4 $12x^2y \div (-9xy) \times 3y$

5 $\sqrt{18} - \frac{10}{\sqrt{2}} + 4\sqrt{2}$

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

333

1 $-4+9$

2 $1.8 \times (-3)$

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

4 $(20a^2 - 12a) \div 4a$

5 $\frac{15}{\sqrt{5}} - (2+\sqrt{5}\,)(3-\sqrt{5}\,)$

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

334

1 $(-28) \div 7$

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

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

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

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

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

335

1 $5 + (-11)$

2 $(-2.5) \times 0.6$

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

4 $10a^2b - ab \times 5a$

5 $(\sqrt{3}\,-2)^2 + \frac{\sqrt{15}}{\sqrt{5}}$

6 $(x+7)(x-7) - (x+1)(x-5)$

336

1 $-3-5$

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

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

4 $48ab^2 \div 6ab \times 3b$

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

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

337

1 $5 - (-4)$

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

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

4 $(15a^2 + 3ab) \div 3a$

5 $\sqrt{3}\,(\sqrt{6} + \sqrt{3}\,) - \frac{10}{\sqrt{2}}$

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

338

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

2 $\frac{3}{8} - \frac{7}{12}$

3 $2(-a+4b-3) - (3a+5b-6)$

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

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

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

339

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

2 $0.2 \times (-0.7)$

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

4 $40ab^2 \div 2b \div 5ab$

5 $(\sqrt{12}\,+1)(\sqrt{12}\,+3) - \frac{18}{\sqrt{12}}$

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

340

1 $35 \div (-5)$

2 $-\frac{1}{4} + \frac{5}{6}$

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

4 $16a^2b \div 12a^2 \times 3ab$

5 $(\sqrt{8}\,+5)(\sqrt{8}\,-3) + \frac{10}{\sqrt{2}}$

6 $(x+3)(x+7) - (x-4)^2$