愛媛県・県立入試計算問題練習

181

1 $24 \div (-8)$

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

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

4 $27a^2b \div 15a^2 \times 10ab$

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

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

182

1 $5 \times (-9)$

2 $\frac{7}{15}-\frac{4}{5}$

3 $4(a-2b+1)-3(a-2b)$

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

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

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

183

1 $-9+4$

2 $3(a+4b-1)+5(a-2b)$

3 $(24x-6) \times \frac{1}{6}x$

4 $(\sqrt{7}+1)^2-\frac{21}{\sqrt{7}}$

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

184

1 $(-3) \times 6$

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

3 $(30a^2+12ab) \div 6a$

4 $\sqrt{12}+\frac{9}{\sqrt{3}}-4\sqrt{3}$

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

185

1 $4+(-7)$

2 $(21ab^2+6ab) \div 3ab$

3 $(\sqrt{5}-1)^2+\frac{10}{\sqrt{5}}$

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

5 $\frac{1}{4}(3x+1)-\frac{1}{6}(x-1)$

186

1 $(-28) \div 4$

2 $5ab^2 \times 4ab \div 2a^2$

3 $(\sqrt{5}+1)(\sqrt{5}+2)-\frac{15}{\sqrt{5}}$

4 $(x+3)^2-(x+4)(x-1)$

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

187

1 $9-(-5)$

2 $45a^2b \div 9a \times 4b$

3 $(\sqrt{3}-1)^2+\frac{\sqrt{24}}{\sqrt{2}}$

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

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

188

1 $(-7) \times (-4)$

2 $(24a^2b-8ab) \div 4ab$

3 $(\sqrt{5}+\sqrt{2})(\sqrt{5}-\sqrt{2})+\frac{\sqrt{32}}{\sqrt{8}}$

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

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

189

1 $(-18) \div (-3)$

2 $48a^2b \div 8ab \times 5a$

3 $(\sqrt{7}-1)(\sqrt{7}+2)-\frac{\sqrt{14}}{\sqrt{2}}$

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

5 $\frac{1}{2}(7x-1)-\frac{1}{3}(5x-4)$

190

1 $3+(-8)$

2 $(20xy^2-8xy) \div 4xy$

3 $\frac{\sqrt{12}}{\sqrt{2}}+(\sqrt{6}-1)^2$

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

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

191

1 $45 \div (-5)$

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

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

4 $35a^2b \div 14a^2 \times 8ab$

5 $(\sqrt{12}+2)(\sqrt{12}-3)+\frac{9}{\sqrt{3}}$

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

192

1 $4 \times (-8)$

2 $\frac{11}{12}-\frac{3}{4}$

3 $7(a-2b+1)-3(a-2b)$

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

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

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

193

1 $-9+4$

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

3 $(25x-5) \times \frac{1}{5}x$

4 $(\sqrt{6}+2)^2-\frac{12}{\sqrt{6}}$

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

194

1 $(-7) \times 6$

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

3 $(40a^2+16ab) \div 8a$

4 $\sqrt{8}+\frac{6}{\sqrt{2}}-4\sqrt{2}$

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

195

1 $2+(-9)$

2 $(24ab^2+8ab) \div 4ab$

3 $(\sqrt{5}-1)^2+\frac{10}{\sqrt{5}}$

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

5 $\frac{1}{9}(2x+3)-\frac{1}{6}(x-1)$

196

1 $(-24) \div 6$

2 $6ab^2 \times 5ab \div 3a^2$

3 $(\sqrt{7}+1)(\sqrt{7}+2)-\frac{21}{\sqrt{7}}$

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

5 $\frac{1}{5}(7x+1)+\frac{1}{2}(x-5)$

197

1 $7-(-6)$

2 $42a^2b \div 7a \times 3b$

3 $(\sqrt{3}-2)^2+\frac{\sqrt{54}}{\sqrt{2}}$

4 $(x+8)(x-8)-(x+3)(x-2)$

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

198

1 $(-7) \times (-8)$

2 $(30a^2b-12ab) \div 6ab$

3 $(\sqrt{7}+\sqrt{5})(\sqrt{7}-\sqrt{5})+\frac{\sqrt{32}}{\sqrt{8}}$

4 $(x+3)(x-1)-(x-2)^2$

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

199

1 $(-18) \div (-3)$

2 $56a^2b \div 8ab \times 3a$

3 $(\sqrt{5}-1)(\sqrt{5}+3)-\frac{\sqrt{15}}{\sqrt{3}}$

4 $(x+3)^2-(x+1)(x-4)$

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

200

1 $4+(-9)$

2 $(28xy^2-8xy) \div 4xy$

3 $\frac{\sqrt{21}}{\sqrt{3}}+(\sqrt{7}-1)^2$

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

5 $\frac{1}{2}(3x-1)-\frac{1}{5}(7x-3)$