

愛媛県・県立入試計算問題練習 (H8~16・R2)

181

- 1 $-7+2$
- 2 $3(4a-3b)-6(a-\frac{1}{2}b)$
- 3 $4x^2y \times 6y \div 8x^2$
- 4 $(2\sqrt{3}+1)(2\sqrt{3}-1)-\frac{\sqrt{18}}{\sqrt{2}}$
- 5 $(x-5)(x-3)-(x+2)^2$

182

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

183

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

184

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

185

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

186

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

187

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

188

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

189

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

190

- 1 $-9+4$
- 2 $3(a+3b-2)+2(a-3b)$
- 3 $(12x-4) \times \frac{1}{4}x$
- 4 $(\sqrt{5}+1)^2-\frac{10}{\sqrt{5}}$
- 5 $(x+3)(x-3)-(x-4)(x+3)$

191

- 1 $-5+3$
- 2 $3(3a-2b)-6(a-\frac{1}{3}b)$
- 3 $2x^2y \times 9y \div 6x^2$
- 4 $(2\sqrt{5}+1)(2\sqrt{5}-1)-\frac{\sqrt{20}}{\sqrt{5}}$
- 5 $(x-4)(x-3)-(x+3)^2$

192

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

193

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

194

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

195

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

196

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

197

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

198

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

199

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

200

- 1 $-7+3$
- 2 $3(a+2b-1)+2(a-2b)$
- 3 $(18x-6) \times \frac{1}{6}x$
- 4 $(\sqrt{3}+2)^2-\frac{9}{\sqrt{3}}$
- 5 $(x+5)(x-5)-(x-4)(x+3)$