

1 6 1
1 $(-6)\times(-3)$
2 $-\frac{1}{6}+\frac{2}{3}$
3 $(a+3b)-(5a-2b)$
4 $(21x^2y-7xy^2)\div 7xy$
5 $\frac{12}{\sqrt{3}}+(\sqrt{3}-1)^2$
6 $(2x+1)(2x-1)+(x+3)(x-4)$
1 6 2
1 $20\div(-4)$
2 $\frac{5}{12}-\frac{5}{8}$
3 $3(x-3y)-4(2x-3y)$
4 $18ab^2\div 3ab\times(-4b)$
5 $\sqrt{6}(\sqrt{3}+\sqrt{6})-\frac{14}{\sqrt{2}}$
6 $(x+5)^2+(x-2)(x-3)$
1 6 3
1 $(-4)\times(-7)$
2 $(-\frac{5}{6})+\frac{7}{9}$
3 $2(3a-2b+1)-(a-2b+5)$
4 $16x^2y\div(-6xy)\times 3y$
5 $\sqrt{18}-\frac{10}{\sqrt{2}}+4\sqrt{2}$
6 $(x+6)(x-3)+(x+5)(x-5)$
1 6 4
1 $-3+7$
2 $1.4\times(-3)$
3 $5(2x+y)+3(x-3y)$
4 $(15a^2-6a)\div 3a$
5 $\frac{9}{\sqrt{3}}-(1+\sqrt{3})(3-\sqrt{3})$
6 $(x+4)(x-4)-(x-3)^2$

1 6 5
1 $(-54)\div 9$
2 $\frac{3}{4}-(-\frac{1}{3})$
3 $3(-2a-b+3)-2(a-5b)$
4 $36x^2y\div 4y\div(-3x)$
5 $(3+\sqrt{5})(3-\sqrt{5})-\frac{\sqrt{27}}{\sqrt{3}}$
6 $(x-2)(x+5)+(x-2)^2$
1 6 6
1 $3+(-9)$
2 $(-2.5)\times 0.8$
3 $2(x-2y-3)+3(x+2y-1)$
4 $9a^2b-ab\times 3a$
5 $(\sqrt{3}-2)^2+\frac{\sqrt{15}}{\sqrt{5}}$
6 $(x+6)(x-6)-(x+1)(x-7)$
1 6 7
1 $-3-4$
2 $(-6)^2\times\frac{1}{27}$
3 $2(x-3y)+(x+5y-4)$
4 $36ab^2\div 4ab\times 3b$
5 $\frac{9}{\sqrt{3}}+(3+\sqrt{3})(2-\sqrt{3})$
6 $(x+3)^2-(x-2)(x-5)$
1 6 8
1 $5-(-4)$
2 $\frac{9}{14}\div(-\frac{3}{7})$
3 $(x+2y-3)-2(3x-y-5)$
4 $(20a^2+4ab)\div 4a$
5 $\sqrt{3}(\sqrt{6}+\sqrt{3})-\frac{10}{\sqrt{2}}$
6 $(x+5)(x-5)+(x+4)(x+3)$

1 6 9
1 $(-42)\div(-7)$
2 $\frac{5}{8}-\frac{7}{6}$
3 $3(-a+4b-3)-(3a+5b-6)$
4 $18ab-12ab^2\div 3b$
5 $\frac{12}{\sqrt{8}}-(\sqrt{2}-3)^2$
6 $(x-3)(x-5)+(x+2)(x-2)$
1 7 0
1 $(-5)+(-6)$
2 $0.3\times(-0.4)$
3 $3(2x-3y+1)-2(x-5y-3)$
4 $36ab^2\div 4b\div 3ab$
5 $(\sqrt{12}+1)(\sqrt{12}+4)-\frac{18}{\sqrt{12}}$
6 $(x+1)(x-5)-(x-6)^2$
1 7 1
1 $18\div(-6)$
2 $-\frac{1}{4}+\frac{5}{6}$
3 $4(5x-3y)-3(2x-3y-1)$
4 $20a^2b\div 12a^2\times 3ab$
5 $(\sqrt{8}+5)(\sqrt{8}-3)+\frac{10}{\sqrt{2}}$
6 $(x+3)(x+4)-(x-2)^2$
1 7 2
1 $7\times(-8)$
2 $\frac{7}{15}-\frac{2}{3}$
3 $4(a-2b+1)-3(a-2b)$
4 $(-6x^2+8x)\div 8x$
5 $\frac{10}{\sqrt{5}}+(2-\sqrt{5})^2$
6 $(x+5)^2-(x+4)(x-4)$

1 7 3
1 $-9+4$
2 $4(a+2b-1)+3(a-3b)$
3 $(12x-4)\times\frac{1}{4}x$
4 $(\sqrt{3}+2)^2-\frac{6}{\sqrt{3}}$
5 $(x+3)(x-3)-(x-5)(x+3)$
1 7 4
1 $(-3)\times 6$
2 $3(3x+2y)-2(x-3y)$
3 $(32a^2+12ab)\div 4a$
4 $\sqrt{27}+\frac{12}{\sqrt{3}}-5\sqrt{3}$
5 $(x+2)(x-5)-(x-3)^2$
1 7 5
1 $4+(-9)$
2 $(54ab^2+12ab)\div 6ab$
3 $(\sqrt{3}-1)^2+\frac{9}{\sqrt{3}}$
4 $(x-2)(x+5)-(x+4)(x-4)$
5 $\frac{1}{4}(5x+3)-\frac{1}{6}(x-1)$
1 7 6
1 $(-24)\div 8$
2 $9ab^2\times 4ab\div 6a^2$
3 $(\sqrt{5}+1)(\sqrt{5}+2)-\frac{10}{\sqrt{5}}$
4 $(x+3)^2-(x+4)(x-2)$
5 $\frac{1}{5}(4x+1)+\frac{1}{2}(x-3)$

1 7 7
1 $7-(-6)$
2 $35a^2b\div 7a\times 3b$
3 $(\sqrt{3}-1)^2+\frac{\sqrt{24}}{\sqrt{2}}$
4 $(x+7)(x-7)-(x+3)(x-5)$
5 $\frac{1}{5}(4x-1)-\frac{1}{3}(2x+1)$
1 7 8
1 $(-6)\times(-4)$
2 $(21a^2b-12ab)\div 3ab$
3 $(\sqrt{7}+\sqrt{3})(\sqrt{7}-\sqrt{3})+\frac{\sqrt{27}}{\sqrt{3}}$
4 $(x+5)(x-3)-(x-2)^2$
5 $\frac{1}{3}(2x-1)-\frac{1}{4}(3x+1)$
1 7 9
1 $(-12)\div(-3)$
2 $48a^2b\div 6ab\times 3a$
3 $(\sqrt{6}-2)(\sqrt{6}+3)-\frac{\sqrt{18}}{\sqrt{3}}$
4 $(x+4)^2-(x+1)(x-2)$
5 $\frac{1}{2}(3x-1)-\frac{1}{3}(5x-2)$
1 8 0
1 $6+(-9)$
2 $(28xy^2-8xy)\div 4xy$
3 $\frac{\sqrt{15}}{\sqrt{3}}+(\sqrt{5}-1)^2$
4 $(a+5)(a-5)-(a+2)(a-3)$
5 $\frac{1}{2}(3x-1)-\frac{1}{5}(2x-3)$