1 解答 (1) $10x+7y$ (2) $-x+y$ (3) $7a-7b$ (4) $4a+2b$
(5) $5x^2-xy$ (6) $ab+3bc+ca$

(1) $(3x+y)+(7x+6y)=3x+y+7x+6y$
$=3x+7x+y+6y$
$=10x+7y$

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

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

(4) $8a+(-4a+2b)=8a-4a+2b$
$=4a+2b$

(5) $(3x^2-2xy+4y^2)+(2x^2+xy-4y^2)=3x^2-2xy+4y^2+2x^2+xy-4y^2$
$=3x^2+2x^2-2xy+xy+4y^2-4y^2$
$=5x^2-xy$

(6) $(-2ab+4bc-ca)+(3ab-bc+2ca)=-2ab+4bc-ca+3ab-bc+2ca$
$=-2ab+3ab+4bc-bc-ca+2ca$
$=ab+3bc+ca$

2 解答 (1) $3x+3y$ (2) $3a-3b$ (3) $2x+11y$ (4) $-a-6b$
(5) $x^2-4xy-3y^2$ (6) $-2ab+bc$

(1) $(7x+2y)-(4x-y)=7x+2y-4x+y$
$=7x-4x+2y+y$
$=3x+3y$

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

(3) $(5x+4y)-(3x-7y)=5x+4y-3x+7y$
$=5x-3x+4y+7y$
$=2x+11y$

(4) $(-4a-7b)-(-b-3a)=-4a-7b+b+3a$
$=-4a+3a-7b+b$
$=-a-6b$

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

(6) $(5ab-bc+3ca)-(7ab+3ca-2bc)=5ab-bc+3ca-7ab-3ca+2bc$
$=5ab-7ab-bc+2bc+3ca-3ca$
$=-2ab+bc$

3 解答 (1) $3a+6b$ (2) $9x+8y$ (3) $-4x+15y$ (4) $5x-12y$
(5) $25a-14$ (6) x^2-4x-1

(1) $(a+5b)+(2a+b)=a+5b+2a+b$
$=3a+6b$

(2) $(6x+4y)-(-3x-4y)=6x+4y+3x+4y$
$=9x+8y$

(3) $(-9x+7y)+(5x+8y)=-9x+7y+5x+8y$
$=-4x+15y$

(4) $(3x-4y)-(8y-2x)=3x-4y-8y+2x$
$=5x-12y$

(5) $(10a+7b-11)+(15a-7b-3)=10a+7b-11+15a-7b-3$
$=25a-14$

(6) $(8x^2-9x+2)-(7x^2-5x+3)=8x^2-9x+2-7x^2+5x-3$
$=x^2-4x-1$