

76/1

a) $(x-3) + (2x+1) = x-3+2x+1 = 3x-2$

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

c) $(2t+5) + (-3t+4) = 2t+5-3t+4 = -t+9$

d) $(-5t-1) - (-4t+2) = -5t-1+4t-2 = -t-3$

e) $(2+9) + (-2-4) = 2+9-2-4 = 5$

f) $(4a+6) - (2a+5) = 4a+6-2a-5 = 2a+1$

76/2

a) $(3x^2-x+5) + (x^2+x-1) = 3x^2-x+5+x^2+x-1 = 4x^2+4$

b) $(7xy+y-10) - (3xy+y^2+10) = 7xy+y-10-3xy-y^2-10 = -y^2+4xy+y-20$

c) $(5ab+b-2) - (ab+b-4) = 5ab+b-2-ab-b+4 = 4ab+2$

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

76/4

a) $(x^2-5x+2) + (x^2+5x) = x^2-5x+2+x^2+5x = 2x^2+2$

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

c) $(5x^2-1) - (2x^2-3x+2) = 5x^2-1-2x^2+3x-2 = 3x^2+3x-3$

d) $(x^2+1) - (x^2-1) + x^2-1 = x^2+1-x^2+1+x^2-1 = x^2+1$

76/7

a) $(5x-1) + (2x+3) = 5x-1+2x+3 = 7x+2$

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

c) $(-x+10) + (4x+8) = -x+10+4x+8 = 3x+18$

d) $(7x-10) - (-8x+5) = 7x-10+8x-5 = 15x-15$