

$$a) A(x) = (23x+1)(-17x+1) + (23x+1)^2$$

$$A(x) = (23x+1) [-17x+1 + 23x+1]$$

$$A(x) = (23x+1)(6x+2)$$

$$b) B(x) = (13x-14)(25x-11) - (13x-14)^2$$

$$B(x) = (13x-14) [25x-11 - (13x-14)]$$

$$B(x) = (13x-14)(25x-11-13x+14)$$

$$B(x) = (13x-14)(12x+3)$$

$$c) C(x) = (8-18x)^2 - (16x-3)(8-18x)$$

$$C(x) = (8-18x) [(8-18x) - (16x-3)]$$

$$C(x) = (8-18x)(8-18x-16x+3)$$

$$C(x) = (8-18x)(-34x+11)$$

$$d) D(t) = (16t+13)(21t-3) + 2(16t+13)$$

$$D(t) = (16t+13) [21t-3+2]$$

$$D(t) = (16t+13)(21t-1)$$

$$e) E(x) = (-14x+5) - (4x-7)(-14x+5)$$

$$E(x) = (-14x+5) [1 - (4x-7)]$$

$$E(x) = (-14x+5)(1-4x+7)$$

$$E(x) = (-14x+5)(-4x+8)$$