tip:
$$P(ax + b)(cx + d)$$

= $P\{acx^2 + (ad + bc)x + bd\}$
= $Pacx^2 + P(ad + bc)x + Pbd$

$$(1) 8(2x - 1) = 16x - 8$$

(2)
$$-(2x+1)(4x+5)$$

= $-(8x^2 + 14x + 5)$
= $-8x^2 - 14x - 5$

(3)
$$(4x-3)(4x-1)$$

= $16x^2 - 16x + 3$

$$(4) 4(x-4)(2x-3)$$

$$= 4(2x^2 - 11x + 12)$$

$$= 8x^2 - 44x + 48$$

(5)
$$-(5x + 2)(4x - 7)$$

= $-(20x^2 - 27x - 14)$
= $-20x^2 + 27x + 14$

(6)
$$(3x+1)(x+7)$$

= $3x^2 + 22x + 7$

(7)
$$-(5x-2)(x-5)$$

= $-(5x^2 - 27x + 10)$
= $-5x^2 + 27x - 10$

(8)
$$4(4x+5)(x-1)$$

= $4(4x^2 + x - 5)$
= $16x^2 + 4x - 20$

(9)
$$-3(3x-7)(x-2)$$

= $-3(3x^2 - 13x + 14)$
= $-9x^2 + 39x - 42$

$$(10) (3x+8)(x-5)$$
$$= 3x^2 - 7x - 40$$

(11)
$$-(x-3)(4x+5)$$

= $-(4x^2 - 7x - 15)$
= $-4x^2 + 7x + 15$

$$(12) (x+5)(x+6)$$
$$= x^2 + 11x + 30$$

$$(13) -(4x-7)(3x-7)$$

$$= -(12x^2 - 49x + 49)$$

$$= -12x^2 + 49x - 49$$

$$(14) -(4x-1)(4x-3)$$

$$= -(16x^2 - 16x + 3)$$

$$= -16x^2 + 16x - 3$$

$$(15) -2x(5x+3) = -10x^2 - 6x$$

$$(16) 4x(3x-2)$$

$$= 12x^2 - 8x$$

$$(17) -(x-3)(2x-1)$$

$$= -(2x^2 - 7x + 3)$$

$$= -2x^2 + 7x - 3$$

$$(18) \ 2(x+5)(4x-3)$$
$$= 2(4x^2 + 17x - 15)$$
$$= 8x^2 + 34x - 30$$

$$(19) -8(x+2) = -8x - 16$$

$$(20) (4x - 7)(4x + 3)$$
$$= 16x^2 - 16x - 21$$

(21)
$$5(5x+6)(x+1)$$

= $5(5x^2 + 11x + 6)$
= $25x^2 + 55x + 30$

$$(22) 2(x-3)(3x-1)$$

$$= 2(3x^2 - 10x + 3)$$

$$= 6x^2 - 20x + 6$$

$$(23) (5x+2)(2x-7)$$
$$= 10x^2 - 31x - 14$$

$$(24) -3(x+3)(3x+4)$$

$$= -3(3x^2 + 13x + 12)$$

$$= -9x^2 - 39x - 36$$

$$(25) 5(3x-2)(x+1)$$

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

$$= 15x^2 + 5x - 10$$