

- $+b^2 - ac - bc + c^2$. (19) $(x-y-z)(x^2 - 2xy + y^2 + xz - yz + z^2)$. (20) $(a-b-1)(a^2 - 2ab + b^2 + a - b + 1)$.
 (21) $(1-x-y)(1+x+y+x^2+2xy+y^2)$. (22) $(a-b-c)(a+b+c)(a^2+b^2+2bc-c^2)$. (23) $(a+b)(a^2-ab+b^2+1)$. (24) $(x+y)^3$. (25) $(x-y)^3$. (26) $2c(c^2+3d^2)$.
 (27) $ab(3a+b)(3a-b)(9a^2+3ab+b^2)(9a^2-3ab+b^2)$.
 (28) $a^2(ax+2y)(ax-2y)(a^2x^2+2axy+4y^2)(a^2x^2-2axy+4y^2)$.
 (29) $(a+b-c)(a^2+2ab+b^2+ac+bc+c^2)$.
 (30) $(x-y-z)(x^2-2xy+y^2+xz-yz+z^2)$.

EXERCISE XL.—(Page 42). A.—(1) $(3x+2)(x+1)$.

- (2) $(2a+1)(a+2)$. (3) $(3x+1)(x+3)$. (4) $(4a+1)(a+2)$. (5) $(3x+5)(x+1)$. (6) $(x+2)(5x+4)$. (7) $(x+2)(2x+5)$. (8) $(a+2)(3a+4)$. (9) $(x+2)(7x+2)$.
 (10) $(a+5)(4a+3)$. (11) $(x+13)(3x+2)$. (12) $(4m+5)(2m+7)$. (13) $(3x-5)(2x-7)$. (14) $(2x-5)(3x-4)$.
 (15) $(3x-2)(2x-1)$. (16) $(2x-7y)(4x-3y)$. (17) $(a-1)(4a+9)$. (18) $(1-m)(7-3m)$. (19) $2(x-2)(2x-3)$.
 (20) $(x-7)(3x-2)$. (21) $(8x-5z)(7x-4z)$. (22) $(3b-c)(8b-3c)$. (23) $(2x-3y)(12x-7y)$. (24) $(m-4n)(56m-5n)$.

- B.—(1) $(x+3)(4x-1)$. (2) $(a+6)(3a-5)$. (3) $(x+5)(3x-1)$. (4) $(m+8)(2m-1)$. (5) $(c+3)(3c-2)$. (6) $(p+2)(4p-7)$. (7) $(4a+7)(3a-1)$. (8) $(1+7y)(5-3y)$. (9) $(3x+7y)(4x-5y)$. (10) $13(a+b)(3a-2b)$.
 (11) $(2x-3)(3x+1)$. (12) $(a-3)(2a+5)$. (13) $(a-7)(3a+2)$. (14) $(b-3)(12b+5)$. (15) $(3x+5)(4x-7)$.
 (16) $(x-3y)(2x+y)$. (17) $(3a-4b)(8a+b)$. (18) $(4-5c)(5+4c)$. (19) $(1-2n)(4+3n)$. (20) $(3x+y)(13x-11y)$.

EXERCISE XLI.—(Page 43).

- (1) $(2x+3y+4z)(3x+4y+5z)$. (2) $(2x+5y+3z)(3x+2y+2z)$. (3) $(4a+5b+6c)(3a+4b+7c)$. (4) $2(3a+2b+c)(3a+5b+7c)$. (5) $(2x+5y+6)(9x+7y+6)$. (6) $(2a+3b+4)(3a+5b+6)$. (7) $(x+3y-2z)(2x+y-3z)$. (8) $(4x-5y+3z)(7x-2y-4z)$. (9) $(2a-b+5c)(5a-2b-3c)$.
 (10) $(7x-8y+3)(5x+2y-4)$. (11) $(9a-7b+4)(3a+2b-11)$. (12) $(x+y+z)(x^2+y^2+z^2-xy-xz-yz)$.