

$(x^2 - 2x + 7)$. (4) $(x^2 + 4x + 9)(x^2 - 4x + 9)$. (5) $(a^2 + 5a + 25)(a^2 - 5a + 25)$. (6) $(m^2 + 2m + 4)(m^2 - 2m + 4)$.
 (7) $(a^2 + 4ab - b^2)(a^2 - 4ab - b^2)$. (8) $(x^2 + xy + y^2)(x^2 - xy + y^2)$. (9) $(2a^2 + 2a - 1)(2a^2 - 2a - 1)$. (10)
 $(9c^2 + 3cd + d^2)(9c^2 - 3cd + d^2)$. (11) $(x^2 + 2xy + 3y^2)(x^2 - 2xy + 3y^2)$. (12) $(3x^2 + 2xy + 1)(3x^2 - 2xy + 1)$.
 (13) $(a^2 + ay + y^2)(a^2 - ay + y^2)$. (14) $(x^2 + xy + 2y^2)(x^2 - xy + 2y^2)$. (15) $(a^2 + 2ax + 3x^2)(a^2 - 2ax + 3x^2)$.
 (16) $(a^2 + 2ax + 4x^2)(a^2 - 2ax + 4x^2)$. (17) $(x^2 + 3x + 5)(x^2 - 3x + 5)$. (18) $(a^2 + 3a + 6)(a^2 - 3a + 6)$. (19)
 $(2a^2 + 3ab + 4b^2)(2a^2 - 3ab + 4b^2)$. (20) $(x^2 + 2xy + 2y^2)(x^2 - 2xy + 2y^2)$. (21) $(a^2 + 2abc + 2b^2c^2)(a^2 - 2abc + 2b^2c^2)$. (22) $(x^2 + xy + y^2)(x^2 - xy + y^2)$.
 $(x^4 - x^2y^2 + y^4)$. (23) $(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)$. (24) $(2a + b)(2a - b)(a + 5b)(a - 5b)$. (25) $(2x + 3y)(2x - 3y)(3x + 2y)(3x - 2y)$. (26) $(4m + 5n)(4m - 5n)(3m + 2n)(3m - 2n)$. (27) $(2c^2 + 2c + 1)(2c^2 - 2c + 1)$. (28) $(p + q)(p - q)(3p + q)(3p - q)$. (29) $(x^2 + 11x + 4)(x^2 - 11x + 4)$. (30) $(3x^2 + 7xy - 4y^2)(3x^2 - 7xy - 4y^2)$. (31) $(a^2 + 3ac + 7c^2)(a^2 - 3ac + 7c^2)$. (32) $(x^2 + 3xy + 8y^2)(x^2 - 3xy + 8y^2)$. (33) $(m^2 + 5m + 9)(m^2 - 5m + 9)$. (34) $(x^2 + 3x + 1)(x^2 - 3x + 1)$. (35) $(a^2 + 4a + 1)(a^2 - 4a + 1)$. (36) $(x + 2y)(x + y)(x - 2y)(x - y)$.

EXERCISE XXXIX.—(Page 42). (1) $(x + y)(x - y)(x^2 - xy + y^2)(x^2 + xy + y^2)$. (2) $(a + b)(a - b)(a^2 - ab + b^2)(a^2 + ab + b^2)$. (3) $(ab + 1)(ab - 1)(a^2b^2 - ab + 1)(a^2b^2 + ab + 1)$. (4) $(xy + z)(x^2y^2 - xyz + z^2)$. (5) $(2x + a^2)(4x^2 - 2a^2x + a^4)$. (6) $(x^2 - 2a)(x^4 + 2ax^2 + 4a^2)$. (7) $(x^2 + y^2)(x^4 - x^2y^2 + y^4)$. (8) $(a^2 + b^2)(a^4 - a^2b^2 + b^4)$. (9) $(3a - 4b)(9a^2 + 12ab + 16b^2)$. (10) $(pq - 3r)(p^2q^2 + 3pqr + 9r^3)$. (11) $(x + 2y)(x^4 - 2x^3y + 4x^2y^2 - 8xy^3 + 16y^4)$. (12) $(x - y)(x^2 + xy + y^2)(x^6 + x^3y^3 + y^6)$. (13) $(m + b)(m - b)(m^4 + m^3b + m^2b^2 + mb^3 + b^4)(m^4 - m^3b + m^2b^2 - mb^3 + b^4)$. (14) $(x^{10} + y^{10})(x^8 + y^8)(x^4 + y^4)(x^2 + y^2)(x + y)(x - y)$. (15) $(a - b)(a + b)(a^2 + b^2)(a^2 - ab + b^2)(a^2 + ab + b^2)(a^4 - a^2b^2 + b^4)$. (16) $(2ab + 5c)(4a^2b^2 - 10abc + 25c^2)$. (17) $(xyz - 1)(x^2y^2z^2 + xyz + 1)$. (18) $(a + b + c)(a^2 + 2ab$