

[1]

$$(1) (x + 7)(x - 1)$$

$$(2) (x - 12)(x - 6)$$

$$(3) (x + 6)(x + 9)$$

$$(4) (x - 9)(x + 5)$$

$$(5) (x - 1)(x + 7)$$

$$(6) (x + 4)(x + 2)$$

$$(7) (x - 3)(x - 12)$$

$$(8) (x - 13)(x + 11)$$

$$(9) (x + 5)(x + 7)$$

$$(10) (x - 13)(x + 7)$$

$$(11) (x - 3)(x + 6)$$

$$(12) (x - 13)(x - 1)$$

$$(13) (x + 9)(x - 1)$$

$$(14) (x + 11)(x + 8)$$

$$(15) (x + 10)(x - 5)$$

$$(16) (x + 3)(x - 13)$$

$$(17) (x + 5)(x - 13)$$

$$(18) (x - 8)(x + 8)$$

$$(19) (x - 13)(x - 8)$$

$$(20) (x + 11)^2$$

[2]

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

$$(2) (x + 8)^2$$

$$(3) (x - 8)(x + 2)$$

$$(4) (x + 11)(x + 13)$$

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

$$(6) (x + 5)(x - 12)$$

$$(7) (x - 8)(x + 5)$$

$$(8) (x - 10)(x + 3)$$

$$(9) (x + 1)(x - 1)$$

$$(10) \ (x + 7)(x + 9) \qquad (11) \ (x - 13)(x - 6) \qquad (12) \ (x - 12)(x - 2)$$

$$(13) \ (x + 1)(x - 2) \qquad (14) \ (x - 8)(x - 3) \qquad (15) \ (x + 12)(x - 9)$$

$$(16) \ (x + 2)(x - 3) \qquad (17) \ (x + 4)(x + 7) \qquad (18) \ (x + 9)(x - 3)$$

$$(19) \ (x + 2)(x - 6) \qquad (20) \ (x + 10)(x + 5)$$

[3]

$$(1) \ (x - 5)(x + 13) \qquad (2) \ (x + 10)(x - 1) \qquad (3) \ (x - 8)(x + 10)$$

$$(4) \ (x + 3)(x - 9) \qquad (5) \ (x - 3)(x + 9) \qquad (6) \ (x - 1)(x - 3)$$

$$(7) \ (x + 7)(x + 6) \qquad (8) \ (x + 13)(x - 6) \qquad (9) \ (x - 3)(x - 6)$$

$$(10) \ (x + 6)(x + 12) \qquad (11) \ (x + 13)(x + 7) \qquad (12) \ (x + 8)(x + 2)$$

$$(13) \ (x - 10)(x - 3) \qquad (14) \ (x + 5)(x - 10) \qquad (15) \ (x - 6)(x + 8)$$

$$(16) \ (x - 1)(x + 3) \qquad (17) \ (x - 7)(x + 2) \qquad (18) \ (x + 12)(x - 2)$$

$$(19) \ (x - 8)(x - 9) \qquad (20) \ (x + 12)(x + 3)$$

[4]

$$(1) (x - 1)^2$$

$$(2) (x - 12)(x + 8)$$

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

$$(4) (x + 2)(x + 13)$$

$$(5) (x - 9)(x + 11)$$

$$(6) (x + 9)^2$$

$$(7) (x - 1)(x - 12)$$

$$(8) (x - 11)(x + 5)$$

$$(9) (x - 6)(x + 10)$$

$$(10) (x - 1)(x + 2)$$

$$(11) (x + 2)(x + 7)$$

$$(12) (x + 13)(x + 4)$$

$$(13) (x + 6)(x - 2)$$

$$(14) (x + 10)(x + 1)$$

$$(15) (x + 5)(x + 9)$$

$$(16) (x + 10)(x - 9)$$

$$(17) (x + 8)(x + 9)$$

$$(18) (x + 6)^2$$

$$(19) (x - 8)(x - 1)$$

$$(20) (x + 12)(x + 13)$$

[5]

$$(1) (x - 4)(x - 10)$$

$$(2) (x - 2)(x + 11)$$

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

$$(4) (x + 11)(x - 1)$$

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

$$(6) (x - 9)(x + 2)$$

$$(7) (x + 9)(x + 12)$$

$$(8) (x + 12)(x + 2)$$

$$(9) (x + 9)(x - 13)$$

$$(10) \ (x + 5)(x - 2)$$

$$(11) \ (x - 11)(x + 3)$$

$$(12) \ (x - 6)(x + 5)$$

$$(13) \ (x - 12)(x + 11)$$

$$(14) \ (x + 7)(x - 9)$$

$$(15) \ (x - 1)(x + 5)$$

$$(16) \ (x + 1)(x - 10)$$

$$(17) \ (x + 1)(x + 8)$$

$$(18) \ (x + 10)(x - 11)$$

$$(19) \ (x + 4)(x - 6)$$

$$(20) \ (x - 3)(x + 11)$$

[6]

$$(1) \ (x - 10)(x - 13)$$

$$(2) \ (x - 9)(x - 5)$$

$$(3) \ (x - 2)^2$$

$$(4) \ (x + 11)(x + 6)$$

$$(5) \ (x + 2)(x + 5)$$

$$(6) \ (x + 12)(x - 5)$$

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

$$(8) \ (x - 10)(x + 2)$$

$$(9) \ (x + 7)(x - 6)$$

$$(10) \ (x - 6)(x - 8)$$

$$(11) \ (x - 12)(x + 10)$$

$$(12) \ (x + 8)(x + 11)$$

$$(13) \ (x + 3)(x + 1)$$

$$(14) \ (x + 4)^2$$

$$(15) \ (x - 10)(x - 9)$$

$$(16) \ (x - 3)(x + 5)$$

$$(17) \ (x + 5)(x + 13)$$

$$(18) \ (x - 3)(x + 12)$$

$$(19) \ (x - 4)(x - 1)$$

$$(20) \ (x + 11)(x + 2)$$

[7]

$$(1) \ (x - 6)(x - 12)$$

$$(2) \ (x - 13)(x + 9)$$

$$(3) \ (x + 9)(x + 13)$$

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

$$(5) \ (x + 11)(x - 6)$$

$$(6) \ (x - 2)(x + 4)$$

$$(7) \ (x + 13)(x - 3)$$

$$(8) \ (x + 13)(x - 9)$$

$$(9) \ (x - 13)(x + 13)$$

$$(10) \ (x - 10)(x + 5)$$

$$(11) \ (x - 9)(x - 12)$$

$$(12) \ (x + 1)(x + 6)$$

$$(13) \ (x - 12)(x - 1)$$

$$(14) \ (x - 3)(x - 2)$$

$$(15) \ (x + 2)(x - 5)$$

$$(16) \ (x + 10)(x - 3)$$

$$(17) \ (x - 7)(x + 6)$$

$$(18) \ (x + 12)(x + 5)$$

$$(19) \ (x - 10)(x + 8)$$

$$(20) \ (x - 7)(x - 12)$$

[8]

$$(1) \ (x + 12)(x - 12)$$

$$(2) \ (x - 1)(x + 13)$$

$$(3) \ (x + 9)(x - 12)$$

$$(4) \ (x + 6)(x + 5)$$

$$(5) \ (x - 11)(x - 1)$$

$$(6) \ (x - 13)(x + 12)$$

$$(7) \ (x + 10)(x + 7)$$

$$(8) \ (x - 6)(x - 2)$$

$$(9) \ (x + 1)(x + 5)$$

$$(10) \ (x + 2)(x - 2) \qquad (11) \ (x - 11)(x + 7) \qquad (12) \ (x - 10)^2$$

$$(13) \ (x - 3)(x - 13) \qquad (14) \ (x + 3)^2 \qquad (15) \ (x - 9)(x - 7)$$

$$(16) \ (x - 5)(x + 9) \qquad (17) \ (x - 5)(x + 2) \qquad (18) \ (x - 2)(x + 6)$$

$$(19) \ (x - 7)(x + 13) \qquad (20) \ (x + 10)(x + 11)$$

[9]

$$(1) \ (x - 9)(x + 6) \qquad (2) \ (x + 9)(x + 6) \qquad (3) \ (x - 10)(x - 7)$$

$$(4) \ (x + 4)(x - 2) \qquad (5) \ (x + 9)(x + 7) \qquad (6) \ (x - 10)(x + 1)$$

$$(7) \ (x - 7)(x - 5) \qquad (8) \ (x + 4)(x + 10) \qquad (9) \ (x + 7)(x + 13)$$

$$(10) \ (x + 11)(x + 1) \qquad (11) \ (x + 10)(x + 13) \qquad (12) \ (x + 8)(x + 6)$$

$$(13) \ (x + 13)(x + 9) \qquad (14) \ (x + 8)(x - 6) \qquad (15) \ (x - 4)(x - 13)$$

$$(16) \ (x + 8)(x - 13) \qquad (17) \ (x + 4)(x - 8) \qquad (18) \ (x + 3)(x - 7)$$

$$(19) \ (x - 10)(x + 10) \qquad (20) \ (x + 7)(x + 12)$$

[10]

$$(1) \ (x - 7)(x - 8)$$

$$(2) \ (x - 1)(x - 11)$$

$$(3) \ (x + 3)(x - 5)$$

$$(4) \ (x - 2)(x - 9)$$

$$(5) \ (x + 12)(x + 10)$$

$$(6) \ (x + 9)(x + 1)$$

$$(7) \ (x + 11)(x + 7)$$

$$(8) \ (x - 8)(x + 3)$$

$$(9) \ (x - 2)(x - 12)$$

$$(10) \ (x + 13)(x + 10)$$

$$(11) \ (x + 4)(x - 9)$$

$$(12) \ (x - 12)(x - 3)$$

$$(13) \ (x + 3)(x + 11)$$

$$(14) \ (x + 5)^2$$

$$(15) \ (x + 2)(x - 13)$$

$$(16) \ (x + 10)^2$$

$$(17) \ (x + 9)(x - 7)$$

$$(18) \ (x - 13)(x - 9)$$

$$(19) \ (x - 4)(x + 8)$$

$$(20) \ (x + 2)(x - 10)$$

[11]

$$(1) \ (x - 6)(x + 13)$$

$$(2) \ (x + 13)(x + 3)$$

$$(3) \ (x + 10)(x - 4)$$

$$(4) \ (x - 8)(x + 7)$$

$$(5) \ (x - 3)(x - 1)$$

$$(6) \ (x + 4)(x - 11)$$

$$(7) \ (x - 12)(x + 5)$$

$$(8) \ (x - 1)(x + 12)$$

$$(9) \ (x + 13)(x + 5)$$

$$(10) \ (x + 3)(x - 3) \qquad (11) \ (x - 5)(x + 10) \qquad (12) \ (x - 11)(x - 4)$$

$$(13) \ (x - 3)(x - 4) \qquad (14) \ (x - 3)(x + 10) \qquad (15) \ (x - 1)(x + 1)$$

$$(16) \ (x + 13)(x - 10) \qquad (17) \ (x - 8)(x + 4) \qquad (18) \ (x + 11)(x + 12)$$

$$(19) \ (x - 2)(x - 13) \qquad (20) \ (x - 9)(x + 12)$$

[12]

$$(1) \ (x + 7)(x - 11) \qquad (2) \ (x - 10)(x + 12) \qquad (3) \ (x + 5)(x - 8)$$

$$(4) \ (x - 2)(x + 9) \qquad (5) \ (x - 12)(x - 4) \qquad (6) \ (x + 1)(x + 7)$$

$$(7) \ (x - 2)(x - 7) \qquad (8) \ (x - 11)(x + 10) \qquad (9) \ (x - 4)(x + 1)$$

$$(10) \ (x + 12)(x - 10) \qquad (11) \ (x - 8)(x - 2) \qquad (12) \ (x - 3)(x - 10)$$

$$(13) \ (x - 5)(x + 11) \qquad (14) \ (x + 1)(x - 9) \qquad (15) \ (x + 1)(x + 4)$$

$$(16) \ (x + 12)(x - 6) \qquad (17) \ (x - 2)(x + 3) \qquad (18) \ (x + 6)(x + 10)$$

$$(19) \ (x - 6)(x - 3) \qquad (20) \ (x - 2)(x - 6)$$

[13]

$$(1) \ (x - 2)(x + 2)$$

$$(2) \ (x + 7)(x + 2)$$

$$(3) \ (x - 5)(x + 7)$$

$$(4) \ (x - 13)(x + 1)$$

$$(5) \ (x + 1)(x + 3)$$

$$(6) \ (x - 7)(x - 10)$$

$$(7) \ (x + 10)(x + 6)$$

$$(8) \ (x - 10)(x - 8)$$

$$(9) \ (x - 2)(x + 10)$$

$$(10) \ (x + 11)(x + 3)$$

$$(11) \ (x - 5)(x - 11)$$

$$(12) \ (x + 5)(x + 12)$$

$$(13) \ (x + 5)(x - 3)$$

$$(14) \ (x - 10)(x + 9)$$

$$(15) \ (x + 4)(x - 4)$$

$$(16) \ (x + 9)(x - 2)$$

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

$$(18) \ (x - 8)(x - 10)$$

$$(19) \ (x - 4)(x + 12)$$

$$(20) \ (x - 12)(x + 2)$$

[14]

$$(1) \ (x - 5)(x - 13)$$

$$(2) \ (x - 9)(x + 4)$$

$$(3) \ (x + 10)(x - 13)$$

$$(4) \ (x - 7)(x - 6)$$

$$(5) \ (x + 8)(x + 1)$$

$$(6) \ (x - 4)(x + 5)$$

$$(7) \ (x + 1)(x + 13)$$

$$(8) \ (x - 10)(x + 7)$$

$$(9) \ (x - 13)(x + 6)$$

$$(10) \ (x - 4)(x + 11) \qquad (11) \ (x - 3)(x - 9) \qquad (12) \ (x - 13)(x - 10)$$

$$(13) \ (x - 11)(x - 13) \qquad (14) \ (x + 12)(x + 4) \qquad (15) \ (x + 4)(x + 6)$$

$$(16) \ (x - 13)^2 \qquad (17) \ (x - 13)(x - 12) \qquad (18) \ (x - 13)(x + 3)$$

$$(19) \ (x + 7)(x + 5) \qquad (20) \ (x + 11)(x - 7)$$

[15]

$$(1) \ (x + 9)(x + 11) \qquad (2) \ (x + 7)(x - 3) \qquad (3) \ (x + 9)(x - 11)$$

$$(4) \ (x + 1)^2 \qquad (5) \ (x + 4)(x + 9) \qquad (6) \ (x + 5)(x - 7)$$

$$(7) \ (x - 5)(x - 7) \qquad (8) \ (x + 10)(x - 12) \qquad (9) \ (x + 6)(x - 13)$$

$$(10) \ (x + 6)(x + 8) \qquad (11) \ (x + 2)(x - 7) \qquad (12) \ (x + 4)(x + 5)$$

$$(13) \ (x - 6)(x + 12) \qquad (14) \ (x - 2)(x + 5) \qquad (15) \ (x - 5)(x + 4)$$

$$(16) \ (x + 8)(x - 5) \qquad (17) \ (x + 6)(x + 4) \qquad (18) \ (x + 13)(x - 5)$$

$$(19) \ (x - 6)(x - 1) \qquad (20) \ (x - 2)(x - 4)$$

[16]

$$(1) \ (x - 2)(x + 13)$$

$$(2) \ (x - 12)(x - 5)$$

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

$$(4) \ (x + 3)(x + 13)$$

$$(5) \ (x + 12)(x - 8)$$

$$(6) \ (x - 5)(x + 12)$$

$$(7) \ (x + 8)(x + 12)$$

$$(8) \ (x + 10)(x - 10)$$

$$(9) \ (x - 6)(x + 7)$$

$$(10) \ (x + 12)(x - 13)$$

$$(11) \ (x + 8)(x - 9)$$

$$(12) \ (x + 2)(x - 12)$$

$$(13) \ (x - 6)(x + 1)$$

$$(14) \ (x - 12)(x - 10)$$

$$(15) \ (x - 9)(x + 3)$$

$$(16) \ (x - 13)(x - 7)$$

$$(17) \ (x - 6)(x + 2)$$

$$(18) \ (x + 5)(x + 3)$$

$$(19) \ (x + 7)(x + 4)$$

$$(20) \ (x - 1)(x - 6)$$

[17]

$$(1) \ (x - 3)(x - 5)$$

$$(2) \ (x + 1)(x + 9)$$

$$(3) \ (x + 3)(x + 8)$$

$$(4) \ (x - 1)(x + 11)$$

$$(5) \ (x - 8)(x + 6)$$

$$(6) \ (x + 6)(x - 7)$$

$$(7) \ (x - 11)(x + 13)$$

$$(8) \ (x + 12)(x - 4)$$

$$(9) \ (x + 13)(x + 8)$$

$$(10) \ (x - 7)(x - 11) \quad (11) \ (x + 12)(x + 7) \quad (12) \ (x - 11)(x - 8)$$

$$(13) \ (x + 6)(x - 9) \quad (14) \ (x + 9)(x - 10) \quad (15) \ (x - 6)(x - 10)$$

$$(16) \ (x - 1)(x - 10) \quad (17) \ (x + 10)(x + 9) \quad (18) \ (x - 13)(x + 8)$$

$$(19) \ (x - 7)(x + 4) \quad (20) \ (x - 13)(x - 2)$$

[18]

$$(1) \ (x - 2)(x + 8) \quad (2) \ (x + 2)(x + 8) \quad (3) \ (x - 9)(x - 10)$$

$$(4) \ (x + 13)^2 \quad (5) \ (x + 2)(x + 1) \quad (6) \ (x + 8)(x + 4)$$

$$(7) \ (x - 9)(x + 1) \quad (8) \ (x - 5)(x - 1) \quad (9) \ (x - 12)(x - 8)$$

$$(10) \ (x + 8)(x + 5) \quad (11) \ (x - 4)(x - 3) \quad (12) \ (x - 4)(x - 2)$$

$$(13) \ (x + 5)(x - 4) \quad (14) \ (x + 6)(x + 7) \quad (15) \ (x + 4)(x + 13)$$

$$(16) \ (x - 2)(x - 11) \quad (17) \ (x + 10)(x + 3) \quad (18) \ (x - 6)(x + 11)$$

$$(19) \ (x + 11)(x - 3) \quad (20) \ (x - 1)(x - 8)$$

[19]

$$(1) \ (x + 2)(x + 12)$$

$$(2) \ (x + 4)(x + 11)$$

$$(3) \ (x + 8)(x - 7)$$

$$(4) \ (x - 11)(x + 2)$$

$$(5) \ (x - 8)(x - 5)$$

$$(6) \ (x - 11)(x + 8)$$

$$(7) \ (x - 6)(x + 4)$$

$$(8) \ (x - 2)(x - 5)$$

$$(9) \ (x + 4)(x - 13)$$

$$(10) \ (x + 3)(x - 1)$$

$$(11) \ (x - 7)(x + 12)$$

$$(12) \ (x - 5)(x + 1)$$

$$(13) \ (x - 1)(x - 5)$$

$$(14) \ (x + 3)(x - 10)$$

$$(15) \ (x + 5)(x + 8)$$

$$(16) \ (x + 3)(x - 6)$$

$$(17) \ (x + 9)(x - 6)$$

$$(18) \ (x - 2)(x - 8)$$

$$(19) \ (x - 12)(x - 13)$$

$$(20) \ (x - 8)(x - 4)$$

[20]

$$(1) \ (x - 13)(x + 4)$$

$$(2) \ (x - 5)(x + 8)$$

$$(3) \ (x - 12)(x + 12)$$

$$(4) \ (x - 12)(x + 9)$$

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

$$(6) \ (x + 12)(x + 6)$$

$$(7) \ (x - 7)(x - 1)$$

$$(8) \ (x + 7)(x - 5)$$

$$(9) \ (x + 2)(x + 10)$$

$$(10) \ (x + 13)(x - 2) \qquad (11) \ (x - 4)(x - 11) \qquad (12) \ (x + 11)(x + 4)$$

$$(13) \ (x - 9)^2 \qquad (14) \ (x - 11)(x + 9) \qquad (15) \ (x - 4)(x + 10)$$

$$(16) \ (x + 13)(x + 1) \qquad (17) \ (x + 8)(x - 11) \qquad (18) \ (x - 10)(x - 4)$$

$$(19) \ (x + 11)(x - 12) \qquad (20) \ (x + 7)(x + 10)$$

[21]

$$(1) \ (x + 3)(x - 12) \qquad (2) \ (x - 5)(x + 3) \qquad (3) \ (x - 5)(x - 10)$$

$$(4) \ (x + 6)(x - 12) \qquad (5) \ (x + 12)(x + 9) \qquad (6) \ (x + 7)(x - 8)$$

$$(7) \ (x - 11)(x - 10) \qquad (8) \ (x - 6)(x + 3) \qquad (9) \ (x + 8)(x - 1)$$

$$(10) \ (x + 13)(x + 6) \qquad (11) \ (x + 11)(x + 10) \qquad (12) \ (x - 10)(x - 11)$$

$$(13) \ (x - 11)(x - 3) \qquad (14) \ (x + 12)(x + 1) \qquad (15) \ (x + 12)(x - 3)$$

$$(16) \ (x - 4)(x - 7) \qquad (17) \ (x + 5)(x - 6) \qquad (18) \ (x + 11)(x - 8)$$

$$(19) \ (x - 11)(x + 12) \qquad (20) \ (x - 9)(x - 8)$$

[22]

$$(1) \ (x - 5)(x - 8)$$

$$(2) \ (x - 5)(x - 9)$$

$$(3) \ (x + 3)(x + 7)$$

$$(4) \ (x - 5)(x - 3)$$

$$(5) \ (x - 8)(x - 11)$$

$$(6) \ (x - 3)^2$$

$$(7) \ (x + 8)(x - 12)$$

$$(8) \ (x + 7)(x + 11)$$

$$(9) \ (x - 3)(x + 8)$$

$$(10) \ (x + 6)(x - 4)$$

$$(11) \ (x - 9)(x + 13)$$

$$(12) \ (x + 4)(x - 7)$$

$$(13) \ (x - 3)(x - 8)$$

$$(14) \ (x + 4)(x + 8)$$

$$(15) \ (x - 1)(x - 9)$$

$$(16) \ (x - 6)(x - 4)$$

$$(17) \ (x + 7)(x - 10)$$

$$(18) \ (x - 4)(x - 6)$$

$$(19) \ (x + 4)(x + 1)$$

$$(20) \ (x + 5)(x + 6)$$

[23]

$$(1) \ (x + 10)(x - 8)$$

$$(2) \ (x - 12)(x - 11)$$

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

$$(4) \ (x + 3)(x - 8)$$

$$(5) \ (x - 12)(x + 3)$$

$$(6) \ (x + 7)(x - 2)$$

$$(7) \ (x + 8)(x - 10)$$

$$(8) \ (x - 11)(x - 9)$$

$$(9) \ (x - 5)^2$$

$$(10) \ (x + 7)(x + 1)$$

$$(11) \ (x + 1)(x - 4)$$

$$(12) \ (x + 6)(x - 5)$$

$$(13) \ (x - 3)(x + 2)$$

$$(14) \ (x - 8)(x - 7)$$

$$(15) \ (x - 7)(x + 3)$$

$$(16) \ (x + 5)(x + 4)$$

$$(17) \ (x - 9)(x - 13)$$

$$(18) \ (x - 10)(x - 2)$$

$$(19) \ (x + 4)(x - 1)$$

$$(20) \ (x + 11)(x - 10)$$

[24]

$$(1) \ (x - 11)(x - 2)$$

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

$$(3) \ (x + 13)(x + 2)$$

$$(4) \ (x - 4)(x - 5)$$

$$(5) \ (x + 13)(x - 13)$$

$$(6) \ (x - 4)(x - 9)$$

$$(7) \ (x - 8)(x + 12)$$

$$(8) \ (x - 7)(x + 8)$$

$$(9) \ (x + 6)(x + 3)$$

$$(10) \ (x + 5)(x + 10)$$

$$(11) \ (x - 12)(x + 6)$$

$$(12) \ (x - 7)(x + 1)$$

$$(13) \ (x - 12)(x - 7)$$

$$(14) \ (x + 8)(x + 10)$$

$$(15) \ (x - 5)(x + 5)$$

$$(16) \ (x - 5)(x - 6)$$

$$(17) \ (x - 6)(x - 5)$$

$$(18) \ (x + 1)(x + 2)$$

$$(19) \ (x - 12)(x + 13)$$

$$(20) \ (x + 3)(x + 4)$$

[25]

$$(1) \ (x + 10)(x - 6)$$

$$(2) \ (x + 1)(x - 12)$$

$$(3) \ (x + 3)(x + 9)$$

$$(4) \ (x + 8)(x + 7)$$

$$(5) \ (x + 1)(x + 10)$$

$$(6) \ (x - 7)(x - 2)$$

$$(7) \ (x + 7)(x - 4)$$

$$(8) \ (x + 3)(x - 4)$$

$$(9) \ (x - 8)(x + 11)$$

$$(10) \ (x - 11)(x + 6)$$

$$(11) \ (x - 10)(x - 1)$$

$$(12) \ (x + 3)(x - 11)$$

$$(13) \ (x + 1)(x - 3)$$

$$(14) \ (x - 13)(x + 2)$$

$$(15) \ (x + 10)(x - 7)$$

$$(16) \ (x + 13)(x + 12)$$

$$(17) \ (x + 13)(x - 1)$$

$$(18) \ (x - 11)^2$$

$$(19) \ (x + 11)(x - 13)$$

$$(20) \ (x + 2)(x + 3)$$

[26]

$$(1) \ (x + 4)(x + 12)$$

$$(2) \ (x + 6)(x - 8)$$

$$(3) \ (x + 4)(x - 10)$$

$$(4) \ (x + 2)^2$$

$$(5) \ (x + 1)(x - 5)$$

$$(6) \ (x - 6)(x - 7)$$

$$(7) \ (x - 9)(x + 9)$$

$$(8) \ (x + 3)(x + 5)$$

$$(9) \ (x - 7)(x + 9)$$

$$(10) \ (x + 12)^2$$

$$(11) \ (x - 10)(x + 4)$$

$$(12) \ (x + 9)(x - 4)$$

$$(13) \ (x + 7)(x + 3)$$

$$(14) \ (x - 9)(x - 6)$$

$$(15) \ (x + 5)(x + 2)$$

$$(16) \ (x - 4)(x - 12)$$

$$(17) \ (x - 2)(x + 12)$$

$$(18) \ (x - 3)(x + 3)$$

$$(19) \ (x + 7)(x - 7)$$

$$(20) \ (x + 11)(x + 9)$$

[27]

$$(1) \ (x - 11)(x + 4)$$

$$(2) \ (x - 10)(x - 5)$$

$$(3) \ (x + 10)(x + 4)$$

$$(4) \ (x + 6)(x - 10)$$

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

$$(6) \ (x - 9)(x - 4)$$

$$(7) \ (x - 3)(x + 7)$$

$$(8) \ (x - 11)(x + 1)$$

$$(9) \ (x - 10)(x + 13)$$

$$(10) \ (x - 11)(x - 12)$$

$$(11) \ (x + 3)(x + 10)$$

$$(12) \ (x - 13)(x - 4)$$

$$(13) \ (x + 9)(x + 3)$$

$$(14) \ (x - 1)(x + 6)$$

$$(15) \ (x + 1)(x - 13)$$

$$(16) \ (x + 10)(x - 2)$$

$$(17) \ (x - 9)(x - 1)$$

$$(18) \ (x - 6)(x - 13)$$

$$(19) \ (x - 4)(x + 2)$$

$$(20) \ (x - 12)(x + 7)$$

[28]

$$(1) \ (x + 8)(x - 3)$$

$$(2) \ (x + 11)(x - 2)$$

$$(3) \ (x + 3)(x + 12)$$

$$(4) \ (x - 11)(x - 7)$$

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

$$(6) \ (x - 7)(x + 10)$$

$$(7) \ (x + 2)(x - 8)$$

$$(8) \ (x - 5)(x - 4)$$

$$(9) \ (x - 9)(x - 2)$$

$$(10) \ (x - 1)(x + 4)$$

$$(11) \ (x - 12)(x + 1)$$

$$(12) \ (x - 5)(x - 2)$$

$$(13) \ (x - 1)(x - 2)$$

$$(14) \ (x - 3)(x + 4)$$

$$(15) \ (x + 4)(x - 12)$$

$$(16) \ (x - 9)(x + 10)$$

$$(17) \ (x - 1)(x + 9)$$

$$(18) \ (x + 9)(x - 5)$$

$$(19) \ (x - 12)(x - 9)$$

$$(20) \ (x - 3)(x - 7)$$

[29]

$$(1) \ (x + 7)(x + 8)$$

$$(2) \ (x - 4)(x - 8)$$

$$(3) \ (x + 13)(x - 7)$$

$$(4) \ (x + 13)(x + 11)$$

$$(5) \ (x - 8)(x - 6)$$

$$(6) \ (x + 8)(x - 4)$$

$$(7) \ (x + 13)(x - 8)$$

$$(8) \ (x - 6)(x - 9)$$

$$(9) \ (x + 5)(x - 5)$$

$$(10) \ (x - 13)(x + 10) \quad (11) \ (x + 9)(x + 10) \quad (12) \ (x - 4)(x + 13)$$

$$(13) \ (x - 6)(x - 11) \quad (14) \ (x - 7)(x - 13) \quad (15) \ (x + 6)(x + 1)$$

$$(16) \ (x - 1)(x + 10) \quad (17) \ (x + 10)(x + 12) \quad (18) \ (x - 4)(x + 7)$$

$$(19) \ (x - 4)(x + 6) \quad (20) \ (x + 13)(x - 4)$$

[30]

$$(1) \ (x - 4)(x + 4) \quad (2) \ (x + 9)(x - 8) \quad (3) \ (x - 10)(x + 11)$$

$$(4) \ (x - 4)^2 \quad (5) \ (x + 5)(x - 1) \quad (6) \ (x + 9)(x + 5)$$

$$(7) \ (x + 8)(x + 3) \quad (8) \ (x + 1)(x + 11) \quad (9) \ (x + 2)(x + 11)$$

$$(10) \ (x + 8)(x + 13) \quad (11) \ (x + 12)(x - 11) \quad (12) \ (x + 8)(x - 8)$$

$$(13) \ (x + 1)(x - 6) \quad (14) \ (x + 9)(x + 2) \quad (15) \ (x + 12)(x + 11)$$

$$(16) \ (x + 5)(x - 9) \quad (17) \ (x + 6)(x + 11) \quad (18) \ (x + 2)(x - 11)$$

$$(19) \ (x + 11)(x + 5) \quad (20) \ (x + 9)(x + 4)$$

[31]

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

(2) $(x + 3)(x + 2)$

(3) $(x - 6)(x + 9)$

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

(5) $(x + 13)(x - 11)$

(6) $(x - 9)(x + 8)$

(7) $(x - 6)^2$

(8) $(x + 6)(x - 11)$

(9) $(x + 13)(x - 12)$

(10) $(x + 4)(x - 5)$

(11) $(x - 2)(x - 10)$

(12) $(x + 5)(x + 1)$

(13) $(x - 11)(x - 6)$

(14) $(x + 2)(x + 4)$

(15) $(x + 1)(x + 12)$

(16) $(x - 8)(x + 13)$

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

(18) $(x + 12)(x - 1)$

(19) $(x + 1)(x - 11)$

(20) $(x - 8)(x - 12)$

[32]

(1) $(x - 12)(x + 4)$

(2) $(x - 1)(x - 13)$

(3) $(x - 10)(x + 6)$

(4) $(x + 1)(x - 7)$

(5) $(x - 6)(x + 6)$

(6) $(x - 13)(x + 5)$

(7) $(x - 7)(x + 7)$

(8) $(x + 2)(x - 4)$

(9) $(x - 10)(x - 6)$

- | | | |
|------------------------|------------------------|-------------------------|
| (10) $(x - 7)(x - 3)$ | (11) $(x + 9)(x + 8)$ | (12) $(x + 11)(x - 4)$ |
| (13) $(x - 9)(x + 7)$ | (14) $(x - 9)(x - 11)$ | (15) $(x + 11)(x - 11)$ |
| (16) $(x - 5)(x - 12)$ | (17) $(x - 3)(x + 13)$ | (18) $(x - 13)(x - 5)$ |
| (19) $(x + 2)(x + 6)$ | (20) $(x + 7)(x - 12)$ | |

[33]

- | | | |
|------------------------|-------------------------|-----------------------|
| (1) $(x - 1)(x - 7)$ | (2) $(x + 8)(x - 2)$ | (3) $(x + 12)(x + 8)$ |
| (4) $(x + 6)(x + 13)$ | (5) $(x - 5)(x + 6)$ | (6) $(x - 4)(x + 9)$ |
| (7) $(x + 2)(x - 9)$ | (8) $(x - 8)^2$ | (9) $(x + 9)(x - 9)$ |
| (10) $(x + 12)(x - 7)$ | (11) $(x - 11)(x - 5)$ | (12) $(x - 7)^2$ |
| (13) $(x - 3)(x - 11)$ | (14) $(x - 7)(x + 11)$ | (15) $(x - 2)(x - 3)$ |
| (16) $(x - 7)(x + 5)$ | (17) $(x - 11)(x + 11)$ | (18) $(x + 6)(x + 2)$ |
| (19) $(x + 11)(x - 5)$ | (20) $(x - 8)(x - 13)$ | |

[34]

$$(1) \ (x + 2)(x - 1)$$

$$(2) \ (x + 5)(x + 11)$$

$$(3) \ (x - 8)(x + 9)$$

$$(4) \ (x + 3)(x + 6)$$

$$(5) \ (x + 10)(x + 2)$$

$$(6) \ (x + 10)(x + 8)$$

$$(7) \ (x - 10)(x - 12)$$

$$(8) \ (x - 1)(x + 8)$$

$$(9) \ (x - 9)(x - 3)$$

$$(10) \ (x + 11)(x - 9)$$

$$(11) \ (x + 1)(x - 8)$$

$$(12) \ (x + 5)(x - 11)$$

$$(13) \ (x - 12)^2$$

$$(14) \ (x - 13)(x - 11)$$

$$(15) \ (x + 2)(x + 9)$$

$$(16) \ (x + 6)(x - 6)$$