

- (8) $\frac{x^2 - 3ax + 11a^2}{x^3 - 5a^2x + 7a^3}$. (9) $\frac{x^2 + 3x - 2}{x^3 - 2x^2 - 3}$. (10) $\frac{3x - 5}{x^2 - 5x + 6}$.
 (11) $\frac{5x^2 - x - 3}{x^2 - 2x + 3}$. (12) $\frac{a - 2b}{a + 2b}$. (13) $\frac{a + 4}{a + 5}$.
 (14) $\frac{2 - 2x + 4x^2}{3 - 3x + 9x^2}$. (15) $\frac{x^2 - 7ax + 12a^2}{2x^2 + 14ax + 24a^2}$.
 (16) $\frac{x^2 - 2x + 3}{5x^2 - x - 3}$.

EXERCISE XLIV. — (Page 47). (1) $\frac{x-y}{x^2}$. (2) $\frac{4}{3}$.

- (3) $\frac{4x + 3y}{x + 2}$. (4) $\frac{5a - b}{x(3a - 2)}$. (5) $\frac{x - 3}{x - 11}$. (6) $\frac{ab}{2a - 1}$.
 (7) $\frac{x^2}{x^2 - 7x + 6}$. (8) $\frac{x - 3}{x - 6}$. (9) $\frac{x^2}{x^2 - 7x + 10}$. (10) $\frac{x + 1}{x + 4}$.
 (11) $\frac{x}{x - 2}$. (12) $\frac{1}{(x + 4)^2}$. (13) $(x - 5)^2$. (14) 1.
 (15) $\frac{(a - b)^5}{a^2}$. (16) $\frac{a - b + c}{a + b - c}$. (17) $\frac{x + y + z}{x - y - z}$.
 (18) $\frac{x + m - n}{x - m + n}$. (19) x . (20) $\frac{x - 5}{x - 1}$. (21) $\frac{1}{(x - y)^2}$.
 (22) $\frac{1}{(x + a)(x + b)(x - b)(x - c)}$. (23) $\frac{(x + y)^2}{x^2 + y^2}$.
 (24) $\frac{2x - 1}{2x - 5}$. (25) $\frac{1}{a + b}$. (26) $x - 3$.

- EXERCISE XLV. — (Page 48). (1) $x(x^2 - 1)$. (2) $ab(a + b)$. (3) $xy(4x^2 - 1)$. (4) $6x(3x - 1)$. (5) $a^3 + b^3$.
 (6) $ab(4a^2 - 1)$. (7) $x(x^2 - 4)$. (8) $(x + 1)(x - 1)^2$.
 (9) $(x + 2)^2(x + 3)$. (10) $(x - 1)(x - 2)(x - 4)$. (11) $(x - 5)(x - 6)(x + 7)$. (12) $(x + 3)(x + 4)(x + 5)$. (13) $(x - 2)(x + 2)(x - 11)$. (14) $(x + 1)(x - 2)(2x + 1)$.
 (15) $(x - 3)(x^2 + 3x + 9)(x - 12)$. (16) $(x + 4)^3(x^4 - 4x + 16)$. (17) $(x - 4)(x + 5)(x - 6)$. (18) $(x + 1)(x + 2)$.