

$$(26) \frac{pq}{q-p}, \quad (27) \frac{(x-z)y}{x}, \quad (28) 15, \quad (29) (m+n)t, \quad (30) \frac{p}{m+n}, \frac{mp}{m+n}, \frac{np}{m+n}.$$

- Ex. 52.** (1) $a^2 + 2ab + b^2 - c^2$. (3) $(x-y+z-1)(x+y-z-1)$.
 (4) 11. (5) $x^2 + 3x - 9$. (7) $2a^2b^2 + 2b^2c^2 + 2c^2a^2 - a^4 - b^4 - c^4$. (8) $a - b + c - d$. (9) Identity. (10) 1; 2.
 (11) $x^6 - 64$. (12) $257\frac{1}{2}$. (13) $(50x-1)(x-3)$. (14) 1320. (15) $-3\frac{2}{15}$. (16) 0. (17) $a^3 + a^2b + a^2c + a^2d + abc + abd + acd + bcd$, $a^3 + 2a^2 - 5a - 6$. (18) 1. (19) 5, 15. (20) $2\frac{1}{2}$. (21) $(x-2)(x+1)(x+3)(x+6)$.
 (22) $1 + y + z + y^2 - yz + z^2$. (23) $7a - 2b - 4c$. (24) $ab + bc + ca + c^2$. (25) $-1\frac{1}{15}$. (27) $a^3 + 3a^2 + 3a + 1$, (29) $3\frac{2}{11}$.
 (31) $(15x+y)(2x-5y)$. (33) $a^3 + b^3 + c^3 + 3a^2b + 3a^2c + 3ab^2 + 3ac^2 + 3b^2c + 3bc^2 + 6abc$, $x^3 + 8y^3 + z^3 + 6x^2y - 3x^2z + 12xy^2 + 3xz^2 - 12y^2z + 6yz^2 - 12xyz$. (34) $\frac{c^4}{16}, 4ab + \frac{c^2}{4}$.
 (35) $-\frac{1}{4}$. (36) $(x-1)(x^2+1)$. (37) $\frac{2(a^2+b^2)}{a^2-b^2}$. (38) $-\frac{1}{4}$. (40) 2. (42) 181. (43) $4\frac{3}{11}$. (44) 6, 9. (46) 1. (47) 10. (48) 7.