

$$\begin{array}{lll}
 (2x+1). & (19) (x+2)(x+3)(5x+1). & (20) (x-2)(x+2) \\
 (3x-7). & (21) 6(x+2)(2x+1)(4x-7). & (22) (x+y) \\
 (2x-7y)(4x-5y). & (23) (a+2b)(a-2b)(a^2-b^2) & (24) \\
 (x+3)(x+4)(x^2+9x+20). & & 
 \end{array}$$

EXERCISE XLVI.—(Page 49).

$$A - (1) \frac{3x+5}{3}.$$

$$(2) \frac{4x+9}{5}. \quad (3) \frac{25x-16}{12}. \quad (4) \frac{17x}{36}. \quad (5) \frac{19x-201}{225}.$$

$$(6) \frac{12x^2+28x-17}{8x^2}. \quad (7) \frac{5x+29}{102x}. \quad (8) \frac{3a-8b}{8a}.$$

$$(9) 0. \quad (10) \frac{80x^3+64x^2+84x+45}{60x^2}. \quad (11) \frac{4y+3z}{yz}.$$

$$(12) \frac{a^3-b^3-c^3+abc}{abc}.$$

$$(13) \frac{5a^3c+2a^2bc+9ab-27ac+6c^2}{3a^2c^2}.$$

$$(14) \frac{11x^2-18x^2-27x-16}{30x^3}. \quad (15) \frac{6x-4a}{ax}. \quad (16) \frac{2x+5}{x^2+5x+6}.$$

$$(17) \frac{7x+31}{x^2+9x+20}. \quad (18) \frac{x-1}{x^2-9x+20}. \quad (19) \frac{2x+12}{x^2-4x-12}.$$

$$(20) \frac{(a+b)x-2ab}{x^2-(a+b)x+ab}. \quad (21) \frac{(a+b)x}{x^2+(a+b)x+ab}.$$

$$(22) \frac{4xy}{x^2-y^2}. \quad (23) \frac{2x^2}{x^2-y^2}. \quad (24) \frac{2}{x^2-8x+15}.$$

$$(25) \frac{20x}{x^2-25}. \quad (26) \frac{2x^3}{1-x^4}. \quad (27) \frac{2ab}{a^2-b^2}. \quad (28) \frac{2x^3}{x^2-y^2}.$$

$$(29) 2b. \quad (30) \frac{x^2+y^2}{xy(x^2-y^2)}.$$

$$B. - (1) \frac{2}{x+y}. \quad (2) \frac{2a}{a^2-x^2}. \quad (3) \frac{a^4+6a^2x^2+x^4}{a^4-x^4}.$$

$$(4) \frac{9x^2+34x+29}{(x+1)(x+2)(x+3)}. \quad (5) \frac{3x^2}{x^2-1}. \quad (6) \frac{4a^2+b^2}{4a^2-9b^2}.$$