

EXERCISE - 18(B)

① Separate the constants and the variables from each of the following:-

Constants -

$5, \frac{5}{4}, 0$

Variables -

$4y, \frac{4}{5}xy, az, 7p, \frac{9x}{y}, \frac{3}{4x}, -\frac{xz}{3y}$

② Group the like terms together:-

i) like Terms -
 $4x, -x, \frac{2}{3}x$

$-3y, \frac{4}{5}, y$

ii) like Terms -
 $\frac{2}{3}xy, -4yz, yx$

$2yz, -\frac{2}{3}yz, \frac{zy}{3}$

iii) like Terms -
 $-ab^2, 7b^2a, 2ab^2$

$b^2a^2, -3a^2b^2$

iv) like Terms -
 $5ax, 7ax, \frac{2ax}{3}$

$-5by, \frac{by}{7}$

③ State whether true or false:-

i) 16 is a constant and y is a variable, but 16y is variable. True

ii) $5x$ has two terms 5 and x . False

iii) The expression $5 + x$ has two terms 5 and x . True

iv) The expression $2x^2 + x$ is a binomial. False

v) $ax^2 + bx + c$ is a trinomial. True

vi) $8xab$ is a binomial. False

vii) $8 + ab$ is a binomial. True

viii) $x^3 - 5xy + 6x + 7$ is a polynomial. True

ix) $x^3 - 5xy + 6x + 7$ is a multinomial. True

x) The co-efficient of x in $5x$ is $5x$. False

xi) The co-efficient of ab in $-ab$ is -1 . True

xii) The co-efficient of y in $-3xy$ is -3 . False