

Ex-18(B)

1. 6

~~constant = 6~~

4y

~~constant = 4~~

Variable = 4y

-3x

~~constant = -3~~

Variable = 3x

5

4

constant = $\frac{5}{4}$

~~variable = 4~~

$\frac{4}{5}xy$

~~constant = $\frac{4}{5}$~~

Variable = $\frac{4}{5}xy$

az

~~constant =~~

Variable = az

7p

~~constant = 7~~

Variable = 7p

0

constant = 0

$\frac{9x}{y}$

~~constant = $\frac{9}{1}$~~

Variable = $\frac{9x}{1y}$

3

4x

~~constant = 3~~ Variable = $\frac{3x}{4}$

~~variable = $\frac{1}{4}$~~

~~$\frac{xz}{3y}$~~

~~constant = $\frac{1}{3}$~~

Variable = $\frac{xz}{3y}$

2. (i) 4x, -x, 2x
-3y, $\frac{4}{5}y^3$, y

(ii) $\frac{2}{3}xy$, -4yx, yx

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

~~$\frac{2}{3}zy$~~

(iii) ~~ab²~~, 2ab², 7b²a
b²a², -3a²b²

(iv) $5ax, 7xa, \frac{2ax}{3}$
 $-5by, \frac{by}{7}$

- 3. (i) True
- (ii) false
- (iii) True
- (iv) False
- (v) True
- (vi) ~~True~~ False
- (vii) True
- (viii) True
- (ix) True
- (x) False
- (xi) True
- (xii) false

- 4. (i) 2 terms
- (ii) 2 terms
- (iii) 2 terms
- (iv) 2 terms
- (v) 3 terms
- (vi) 1 term
- (vii) 2 terms
- (viii) 3 terms
- (ix) 3 terms

- 5. (i) true
- (ii) false
- (iii) true
- (iv) false
- (v) false
- (vi) true

- 6. (i) monomial
- (ii) binomial
- (iii) monomial
- (iv) monomial
- (v) binomial
- (vi) binomial
- (vii) trinomial
- (viii) binomial
- (ix) trinomial

- 7. (i) 1
- (ii) -1
- (iii) -3
- (iv) -5a
- (v) $\frac{3}{2}y$
- (vi) $\frac{a}{8}$

- 8. (i) $-3y^2$
- (ii) -a
- (iii) -1
- (iv) 2
- (v) $-2z$
- (vi) $-y^2$
- (vii) $-3a$
- (viii) 5a

- 9. (i) 5
- (ii) 1
- (iii) 5
- (iv) -2
- (v) 2
- (vi) $3 - \frac{15}{2}$
- (vii) $-7 \frac{2}{2}$
- (viii) $-\frac{3}{2}$

10 (i) ~~3~~ 2

(ii) ~~3~~ 2

(iii) ~~2~~ 10

(iv) 20

(v) ~~4~~ 3

(vi) 7

(vii) 6

(viii) 9