

Ex 18(B)

1. Constant - $6, \frac{5}{4}, 0$

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

2. (i) $4x, -x, \frac{2}{3}x$ - group of like terms
 $-9y, \frac{4}{5}y, y$ - group of like terms

(ii) $\frac{2}{3}xy, -4yx, yx$ - group of like terms
 $2yz, -\frac{2}{3}yz, \frac{zy}{3}$ - group of like terms

(iii) $2ab^2, 2ab^2, 7b^2a$ - group of like terms
 $b^2a^2, -3a^2b^2$ - group of like terms

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

3. (i) True

(ii) ~~True~~ False

(iii) True

(iv) False

(v) ~~True~~ ~~False~~ True

(vi) False

(vii) True

(viii) True

(ix) True

(x) False

(xi) True

(xii) False

4. (i) 2

(ii) 2

(iii) 2

(iv) 2

(v) 3

(vi) 1

(vii) 2

(viii) 3

(ix) 3

5. (i) True

(ii) True

(v) False

(ii) False

(iv) False

(vi) True

6. (i) Monomial
 (ii) Monomial
 (iii) Trinomial
 (iv) Trinomial
 (v) Trinomial

- (vi) Binomial
 (vii) Monomial
 (viii) Binomial
 (ix) Binomial

7. (i) 1
 (ii) -3
 (iii) $\frac{3}{2}x$

- (iv) -1
 (v) $-5a$
 (vi) $\frac{a}{y}$

8. (i) $-3y^2$
 (ii) -1

- (iii) $-a$
 (iv) $\frac{2}{a}$

- (v) $-2z$
 (vi) $-3a$

- (vii) $-y^2$
 (viii) $5a$

9. (i) 5
 (ii) 5
 (iii) $\frac{2}{3}$
 (iv) -7

- (v) 1
 (vi) -2
 (vii) $\frac{-15}{2}$
 (viii) $-3 \div 2$

10. (i) 2
 (ii) 10
 (iii) 3
 (iv) 6

- (v) 2
 (vi) 20
 (vii) 7
 (viii) 9