

Exercise - 18 (B)

Saathi

Date ___/___/___

1. $6, \frac{5}{4}, 0$ are constant $4y, -3x, \frac{4}{5}xy, az, 7p, \frac{9x}{y}, \frac{3}{4x}, \frac{xz}{3y}$ are variable2. i) $4x, -x, \frac{2}{3}x$ and $\frac{4}{5}y, -3y, y$ ii) $\frac{2}{3}xy, -4yx, yx$ and $2yz, -\frac{2}{3}yz, \frac{7y}{3}$ iii) $-ab^2, 7b^2a, 2ab^2$ and $b^2a^2, -3a^2b^2, \frac{b}{a}$ iv) $5ax, 7xa, \frac{2ax}{3}$ and $-5by, \frac{by}{7}$

3. i) True

ii) False

iii) True

iv) False

v) True

vi) 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

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5. i) True
 ii) False
 iii) True
 iv) False
 v) False
 vi) True

6. i) xy is monomial
 ii) $xy + x$ is binomial
 iii) $2x - y$ is monomial
 iv) $-a$ is monomial
 v) $ax^2 - x + 5 =$ ~~binom~~ trinomial
 vi) $-3bcd$ is Binomial
 vii) $1 + x + y$ is trinomial
 viii) $1 + x \div y$ is binomial
 ix) $x + xy - y^2$ is trinomial

7. i) Coefficient of x is 1
 ii) Coefficient of x in $-x$ is -1
 iii) $-3x$ coefficient of x is -3
 iv) $-5ax$ " " x is $-5a$
 v) $\frac{3}{2}xy$ " " x is $\frac{3}{2}y$
 vi) $\frac{ax}{y}$ " " x is $\frac{a}{y}$

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

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9. i) numerical coefficients of $5xy = 5$
 ii) " " " " $abc = 1$
 iii) " " " " $5pqr = 5$
 iv) " " " " $-2x = -2$
 v) " " " " $\frac{2^4}{3}xy^2 = \frac{2}{3}$
 vi) " " " " $\frac{-15}{2^2}xy = \frac{-15}{2}$
 vii) " " " " $-7x \div y = -7$
 viii) " " " " $-3x \div (2y) = \frac{-3}{2}$

10. i) Degree is 2
 ii) Degree is 2
 iii) Degree is 10
 iv) Degree is 20
 v) Degree is 3
 vi) Degree is 7
 vii) Degree is 5
 viii) Degree is 9