

## Esc - 18 (B)

(1) Solution:

$6, \frac{5}{4}$  and  $0$  are constants.

$4y, -3x, \frac{4}{5}xy, 2z, 7P, \frac{9x}{y}, -\frac{xz}{3y}$  and  $-\frac{xz}{3y}$  are

variables.

(2) Solution:

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

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

(iii)  $-ab^2, 7b^2a, 2ab^2, b^2a^2, -3a^2b^2$

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



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Exc - 18 (B)

(4) Solution:

(i)  $2a - b = 2$

(ii)  $3x + \frac{a}{2} = 2$

(iii)  $3x - \frac{x}{p} = 2$

(iv)  $a \div x \times b + c = 2$

(v)  $3x \div 2 + y + 4 = 3$

(vi)  $xy \div 2 = 1$

(vii)  $x + y \div a = 2$

(viii)  $2x + y + 8 \div y = 3$

(ix)  $2xa + 3 \div b + 4 = 3$

(6) Solution:

(i) Monomial

(ii) Binomial

(iii) Monomial

(iv) Monomial

(v) Trinomial

(vi) Binomial

(vii) Trinomial

(viii) Binomial

(ix) Trinomial



(7) Solution:

(i)  $x = 1$

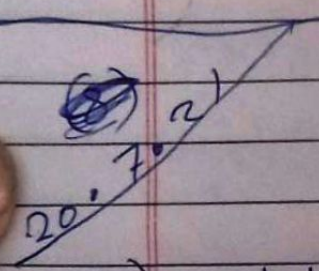
(ii)  $-x = -1$

(iii)  $-3x = -3$

(iv)  $-5ax = 5a$

(v)  $\frac{3}{2}xy = \frac{3}{2}y$

(vi)  $\frac{ax}{y} = \frac{a}{y}$



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Exc - 18 (B)

(8) Solution:

(i)  $x \ln - 3xy^2 = -3y^2$

(ii)  $x \ln - ax = -a$

(iii)  $y \ln - y = -1$

(iv)  $y \ln \frac{2}{a}y = \frac{2}{a}$

(v)  $xy \ln 2xyz = 2z$

(vi)  $ax \ln - a^*y^2 = y^2$

(VII)

$$x^2y \text{ in } -3ax^2y = -3a$$

(VIII)

$$xy^2 \text{ in } 5axy^2 = 5a$$



Ex - 18 (B)

(9) Solution:

$$(i) 5x y = 5$$

$$(ii) abc = 1$$

$$(III) 5pq/r = 5$$

$$(IV) \frac{-2x}{y} = -2$$

$$(V) \frac{2}{3}xy^2 = \frac{2}{3}$$

$$(VI) \frac{-15xz}{2z} = -\frac{15}{2}$$

$$(VII) -7x \div y = -7$$

$$(VIII) -3x \div (2y) = -\frac{3}{2}$$

(10) Solution:

$$(i) x + x^2 = 2$$

$$(ii) 1 - 100x^{20} = 30$$

$$(iii) 5x^2 - 7x + 2 = 2$$

$$(iv) x^3 - x^8 + x^{10} = 10$$

$$(v) 4 + 4x - 4x^3 = 3$$

$$(vi) 8x^2y - 3y^2 + x^2y^5 = 7$$

$$(vii) 8z^3 - 8y^2z^2 + 7yz^5 = 6$$

$$(viii) 4y^2 - 3x^3 + y^2x^7 = 9$$