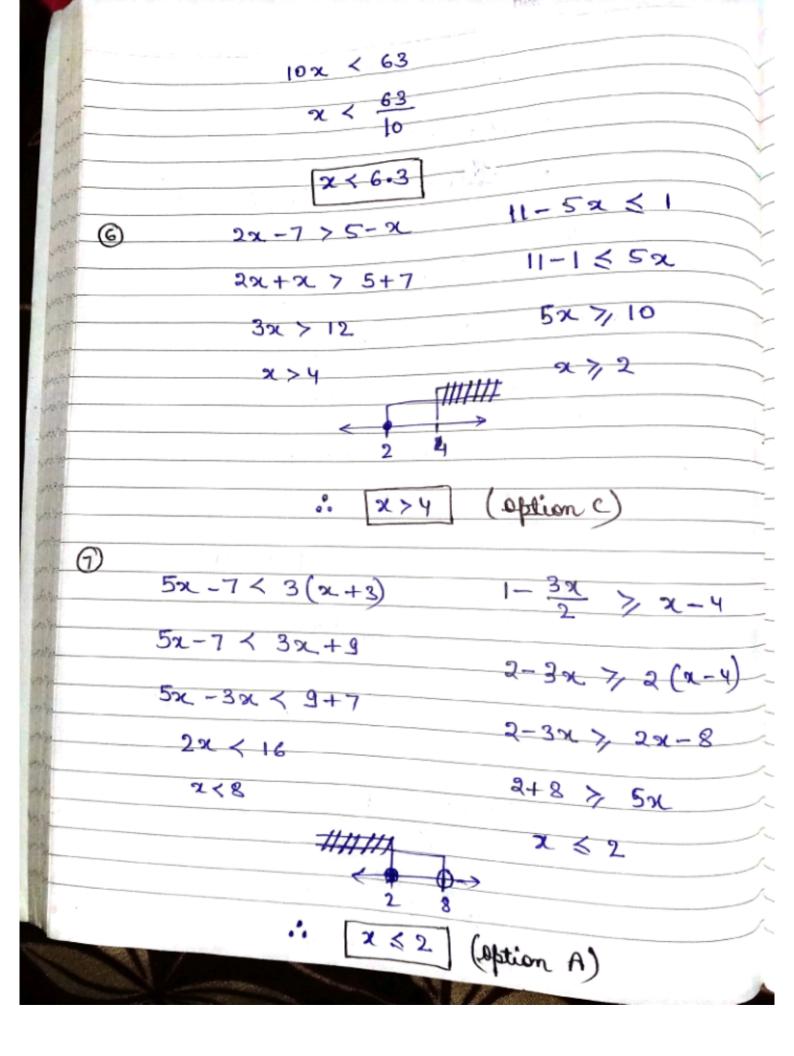
Revision - Frequalities \* Straight Objective Lype -20 ≤ 2-3× ≤ 36 -20-2 < 2-3x-2 < 36-2 -22 < -3x < 34  $\frac{-22}{-3}$   $\frac{-3x}{-3}$   $\frac{34}{-3}$  $-\frac{34}{3} < x < \frac{22}{3}$  (option A) 32-4 > -22+6 (2) 32+22 > 6+4 5x > 10 27 10 2 > 2 (Option B) (3)  $\frac{x-5}{x+2} < 0$ x=5, x=-2

10x < 72-9



$$8 \qquad -3 \leqslant \frac{4-7x}{2} \leqslant 18$$

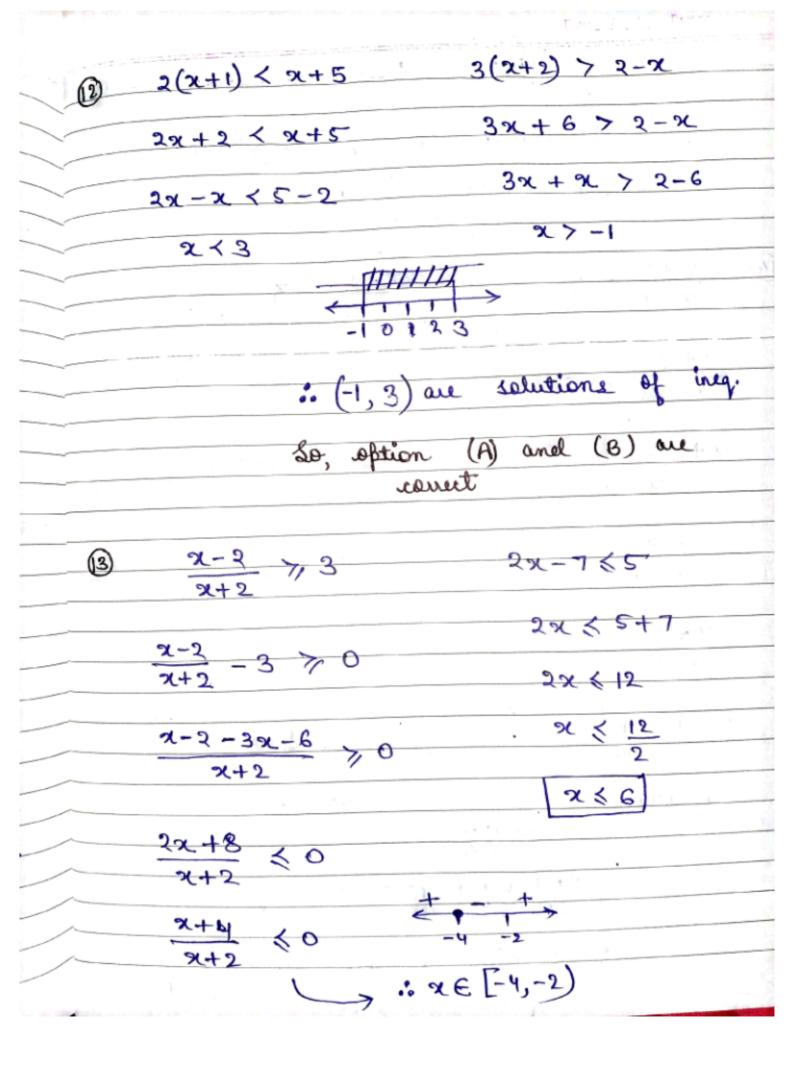
$$\frac{-10}{-7} \geqslant \frac{-79}{-7} \geqslant \frac{32}{-7}$$

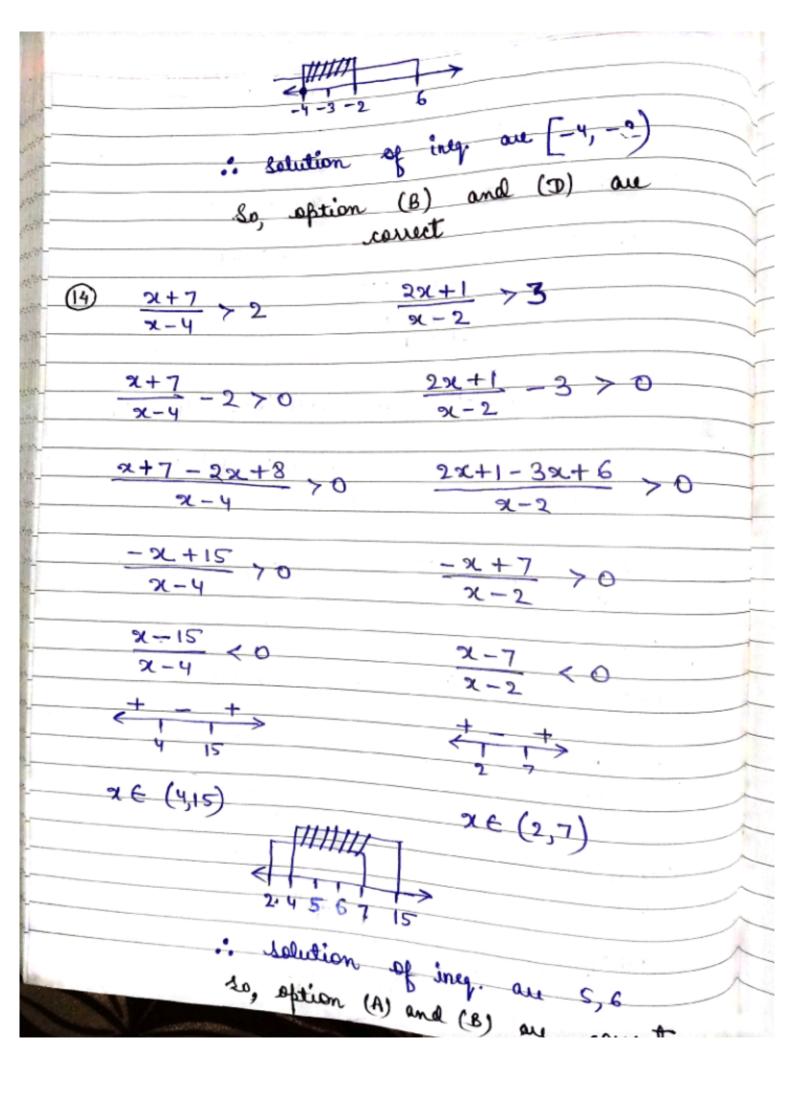
$$\frac{-32}{2} \leq x \leq \frac{10}{7}$$
 (Option c)

$$\frac{9}{3}$$
  $\frac{4+2x}{3}$   $\frac{x}{2}$   $\frac{3}{2}$ 

$$\frac{x}{2} - \frac{4+2x}{3} < 3$$

 $\frac{x}{4} < \frac{5x-2}{3} - \frac{7x-3}{5}$ (e)  $\frac{x}{4} < \frac{25x - 10 - 21x + 9}{15}$ 15x < 2 (4x-1) 15x < 16x-4 16x-15x > 4 2>4 (Option A) \* Multiple correct Answer Type (H) X+2 < 5 32-47-2+2 2 5 5-2 3x-2>-2+4 2 3 2x>2 X>1 i (1,3) are solutions of the inex So reption (B) and (C) are





(a) 
$$3x + 17 \le 2(1-x)$$
  
 $3x + 17 \le 2 - 2x$   
 $5x \le 2 - 17$   
 $5x \le -15$   
 $x \le -3 \longrightarrow (5)$   
(b)  $37 - (3x + 5) \ge 9x - 8(x - 3)$   
 $37 - 3x - 5 \ge 9x - 8x + 24$   
 $9x - 8x + 3x \le 37 - 5 - 24$   
 $4x \le 8$   
 $x \le 2 \longrightarrow (y)$   
(c)  $\frac{4x}{3} - \frac{9}{4} < x + \frac{3}{4} , \frac{7x - 1}{3} - \frac{7x + 2}{6} > x$   
 $\frac{4x}{3} - x < \frac{3}{4} + \frac{9}{4} , \frac{14x - 2 - 7x - 2}{6} > x$   
 $\frac{x}{3} < 3$   $\frac{7x - 4}{6} > x$   
 $x < 9$ 

7x - 6x > 4 2>4

.∴ 4<x<9 ---> (9)

$$(\mathfrak{D}) \quad -2-\frac{\alpha}{4} \leqslant \frac{1+\alpha}{3}$$

3-x < 4(x-3)

$$\frac{1+2}{3}+\frac{2}{4}$$
 > -2

$$(6)$$
 (A)  $3x-7<1$ 

$$\chi \leftrightarrow \frac{8}{3} \longrightarrow (5)$$

$$2 < \frac{8}{2}$$

$$\chi < \chi \longrightarrow (\tau)$$

(c) 2 < 3x +5 (D) 7x-3 < 11 3x > 2-5 7x < 11+3 3x > -3 72 < 14 x < 2 −− (b) \* Integer Answers flypes B 22-1 ≤ 8 Here, SLE [K, K2] 22-1-8 50 2-930 **1**2° - 3° ≤ 0 (x+3) <0 <+ - + + > .. x e [-3,3] , ney k,=-3, k,=3  $k_1 + k_2 = -3 + 3$  $k_1 + k_2 = 0$  drug

