

REE ACA



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Class - 10th

Chapter-4

Subject Maths

Worksheet-12

Linear Equation and Inequalities

- 1. Show the solution set of the following inequalities, graphically.
 - (i) $x \ge 2$
- (ii) $y \le -3$
- (iii) x 2y < 0
- (iv) $2x + 3y \le 6$
- 2. Solve the following inequalities by graphical method:
 - (i) $|x| \le 3$
- (ii) $3x-2y \le x+y-8$ (iii) $|x-y| \ge 1$
- 3. For which value of k, linear pair x+y-4=0; 2x+ky-3=0 have no solution :
 - (a) o

(b) 2

(c) 6

- (d) 8
- 4 For which value of k, linear pair 3x 2y = 0 and kx + 5y = 0 have infinite solutions:
 - (a) $\frac{1}{2}$
- (b) 3

- (c) $\frac{-5}{3}$
- (d) $\frac{-15}{2}$