ASSIGNMENT-1

U.S.M.M TEJA
CS21BTECH11059

1-b[ICSE 2014]. find the values of x for which it satisfies the equation
-$2\frac{5}{6} \leq \frac{1}{2}$ - $\frac{2x}{3} \leq 2$

Solution. let us solve the equation
The equation is given by

- -$2\frac{5}{6} \leq \frac{1}{2}$ - $\frac{2x}{3} \leq 2$
- -$\frac{17}{6} \leq -\frac{2x}{3} \leq 2$
- -$\frac{10}{3} \leq -\frac{2x}{3} \leq \frac{3}{2}$

multiplying - on all the sides,

- -$\frac{3}{2} \leq \frac{2x}{3} \leq \frac{10}{3}$
- -$\frac{9}{2} \leq 2x < 10$
- -$\frac{9}{4} \leq x < 5$
  as x belongs to whole numbers we should consider our lower bound as 0
  so values of x are : $0 \leq x < 5$