3. Solve the inequalitie -9<4-3 x<9 express your solution sets using interval notation.

$$\left[-\frac{5}{3},\frac{13}{3}\right]$$

$$\left(-\infty,-\frac{5}{3}\right)\bigcup\left(\frac{13}{3},+\infty\right)$$

$$\left(-\frac{5}{3},\frac{13}{3}\right)$$

 $(-\infty, -\frac{5}{3}] \bigcup \left[\frac{13}{3}, +\infty\right)$ 

## Totalia i

Solve:

|4 - 3x| + 1 < 10

$$-9-(4)<-3 x<9-(4)$$

$$-3 < (4) < -3 \times (5) < (4)$$
  
 $-13 < -3 \times (5)$ 

Divide each side by -3 and flip the inequalities

$$|4-3x|+1<10 -\frac{5}{3} < X < \frac{13}{3}$$