6. Solve the inequalitie $-5<4x-6<5$
express your solution sets using interval notation.

$[\frac{1}{4},\frac{11}{4}]$

$(-\infty,\frac{1}{4})\cup(\frac{11}{4},+\infty)$

$(\frac{1}{4},\frac{11}{4})$

$(-\infty,\frac{1}{4}]\cup[\frac{11}{4},+\infty)$

Solution

Intervals

Solve:

$|4x-6|+3<8$

$|4x-6|<5$

$-5<4x-6<5$

$-5-(-6)<4x<5-(-6)$

$1<4x<11$

Divide each side by 4