4. Solve the inequalitie $-3<1-8x<3$
express your solution sets using interval notation.

$[-\frac{1}{4},\frac{1}{2}]$

$(-\infty,-\frac{1}{4})\cup(\frac{1}{2},+\infty)$

$(-\frac{1}{4},\frac{1}{2})$

$(-\infty,-\frac{1}{4}]\cup[\frac{1}{2},+\infty)$

Solution

Intervals

Solve:

$|1-8x|+3<6$

$|1-8x|<3$

$-3<1-8x<3$

$-3-(1)<-8x<3-(1)$

$-4<-8x<2$

Divide each side by -8 and flip the inequalities