9. Solve the inequalitie $-2<10-7x<2$
express your solution sets using interval notation.

$[\frac{8}{7},\frac{12}{7}]$

$(-\infty,\frac{8}{7})\cup(\frac{12}{7},+\infty)$

$(\frac{8}{7},\frac{12}{7})$

$(-\infty,\frac{8}{7}]\cup[\frac{12}{7},+\infty)$

Solution

Intervals

Solve:

$|10-7x|+4<6$

$|10-7x|<2$

$-2<10-7x<2$

$-2-(10)<-7x<2-(10)$

$-12<-7x<-8$

Divide each side by -7 and flip the inequalities