2. Solve the inequalities $|8x+10|+4<6$
express your solution sets using interval notation.

$[-\frac{3}{2},-1]$

$(-\infty,-\frac{3}{2})\cup(-1,+\infty)$

$(-\frac{3}{2},-1)$

$(-\infty,-\frac{3}{2}]\cup[-1,+\infty)$

**Solution**

## Intervals

Solve:

$|8x+10|+4<6$

$|8x+10|<2$

$-2<8x+10<2$

$-2-(10)<8x<2-(10)$

$-12<8x<-8$

Divide each side by 8