8. Solve the inequalities $|10 - 7x| + 4 \le 8$ express your solution sets using interval notation.

$$(\frac{6}{7},2)$$

$$(-\infty,\frac{6}{7}) \cup (2,+\infty)$$

$$(-\infty,\frac{6}{7}) \cup [2,+\infty)$$

Solution

Intervals

Solve:
$$|10 - 7x| + 4 \le 8$$

$$|10 - 7 x| \le 4$$

 $-4 \le 10 - 7 x \le 4$

$$-4-(10) \le -7 \ x \le 4-(10)$$

 $-14 \le -7 \ x \le -6$

$$\frac{|10-7x|+4\leq 8}{67} \leq X \leq 2$$
0.75 1.00 1.25 1.50 1.75 2.00