8. Solve the inequalities $8 \le 1 + |4x + 5|$ express your solution sets using interval notation.

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

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

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

Solution

Intervals

$$8 \leq |4x+5|+1$$

 $7-(5) \le 4 x \text{ or } 4 x \le -7-(5)$













 $x \le -3$ or $x \ge \frac{1}{2}$









