8. Solve the inequalitie  $-6 \le 3 - 10 \times 6$ express your solution sets using interval notation.

$$(-\frac{3}{10}, \frac{9}{10})$$

$$(-\infty, -\frac{3}{10}) \cup (\frac{9}{10}, +\infty)$$

$$[-\frac{3}{10}, \frac{9}{10}]$$

$$(-\infty, -\frac{3}{10}] \cup [\frac{9}{10}, +\infty)$$

## Solution

## **Intervals**

 $|3 - 10 x| \le 6$ 

 $-6 \le 3 - 10 \ x \le 6$ 

 $-6-(3) \le -10 x \le 6-(3)$  $-9 \le -10 \ x \le 3$ 

 $|3-10x|+1 \le 7$ 

$$+1 \le 7 \qquad \qquad -\frac{3}{10} \le X \le \frac{9}{10}$$