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

$$(\frac{2}{5}, \frac{8}{5})$$

$$(-\infty, \frac{2}{5}) \cup (\frac{8}{5}, +\infty)$$

$$(-\infty, \frac{2}{5}] \cup [\frac{8}{5}, +\infty)$$

## Solution

## **Intervals**

$$|10 - 10 x| + 4 \le 10$$
  
 $|10 - 10 x| \le 6$   
 $-6 \le 10 - 10 x \le 6$ 

$$-6 - (10) \le -10 \ x \le 6 - (10)$$
  
 $-16 \le -10 \ x \le -4$