6. Solve the inequalitie $-3 \le 10 \times -4 \le 3$ express your solution sets using interval notation.

$$(\frac{1}{10}, \frac{7}{10})$$

$$(-\infty,\frac{1}{10})\cup(\frac{7}{10},+\infty)$$

$$\left[\frac{1}{10},\frac{7}{10}\right]$$

$$\left(-\infty,\frac{1}{10}\right] \bigcup \left[\frac{7}{10},+\infty\right)$$

Solution

Intervals

Solve:

$$|10 \times -4| + 3 \le 6$$

$$| 10 x - 4 | \le 3$$

$$-3 \le 10 \ x - 4 \le 3$$

$$-3-(-4) \le 10 \ x \le 3-(-4)$$

$$|10x-4|+3 \le 6$$

$$\frac{1}{10} \leq X \leq \frac{7}{10}$$