

Solve

$$|3x - 1| = |x + 4|$$

$$\begin{cases} 3x - 1 = x + 4 \\ 3x - 1 = -x - 4 \end{cases} \Rightarrow \begin{cases} x = \frac{5}{2} \\ x = -\frac{3}{4} \end{cases} \Rightarrow \begin{cases} x = 2\frac{1}{2} \\ x = -\frac{3}{4} \end{cases}$$

Answer: $-\frac{3}{4}; 2\frac{1}{2}$