

**Exercise 20**

Solve  $-\left|\frac{1}{3}x - 3\right| \geq 17$ . Express the solution in interval notation.

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**Solution**

Isolate the absolute value sign first. Multiply both sides by  $-1$ .

$$\left|\frac{1}{3}x - 3\right| \leq -17$$

Since the absolute value yields zero or a positive number, no value of  $x$  can satisfy the inequality. Therefore, there's no solution.