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 $x = \frac{\frac{3}{3}x}{\frac{3}{3}} \ge \frac{-1}{3}$ **Conclusion:** The Domain of $f(x) = \sqrt{3x+1}$ is: $x \ge \frac{-1}{3}$ We can write the Domain in interval notation as: $\left[\frac{-1}{3}, \infty\right)$

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Dividing by 3 gives us:

 $x = \frac{2x}{3} \ge \frac{-1}{3}$ **Conclusion:** The Domain of $f(x) = \sqrt{3x+1}$ is: $x \ge \frac{-1}{3}$ We can write the Domain in interval notation as: $\left[\frac{-1}{3}, \infty\right)$ We can visualize the Domain on the number line: