

Solve

$$3 \left[\frac{2}{3}(x+3) \right] < \left[-x+5 \right]$$

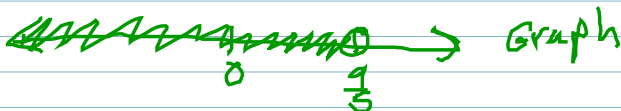
$$2(x+3) < -3x+15$$

$$\frac{2x+6}{+3x} < \frac{-3x+15}{+3x}$$

$$\frac{5x+6}{-6} < \frac{15}{-6}$$

$$\frac{5x}{5} < \frac{9}{5}$$

$$\left\{ x \mid x < \frac{9}{5} \right\} \text{ Set-Builder}$$



$$(-\infty, \frac{9}{5})$$

Interval Notation

Solve

$$3 \left[\frac{2}{3}(x+3) \right] < \left[-x+5 \right]$$

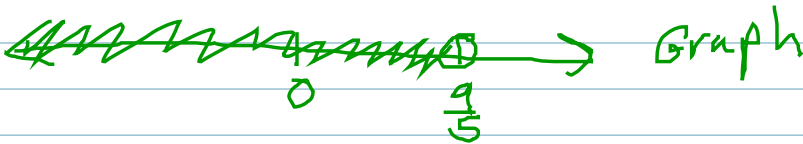
$$2(x+3) < -3x+15$$

$$\begin{array}{r} 2x+6 < -3x+15 \\ +3x & \quad +3x \\ \hline \end{array}$$

$$\begin{array}{r} 5x+6 < 15 \\ -6 & \quad -6 \\ \hline \end{array}$$

$$\frac{5x}{5} < \frac{9}{5}$$

$$\left\{ x \mid x < \frac{9}{5} \right\} \text{ Set-Builder}$$



$$(-\infty, \frac{9}{5})$$

Interval notation