

Ch2.8 Solving Linear Inequalities.

→ less than $<$
equal to $\geq$

less than equal to $\leq$

greater than $>$

greater than

Interval notation	Set notation	graph
$(-\infty, 2]$	$\{x x \leq 2\}$	
$[-3, 1)$	$\{x -3 \leq x < 1\}$	

Ex1) Solve

a) $7 + 3x > 2x - 5$

b) $-4x \geq 8$

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Ex2) Solve

a) $3x + 2 - 5 > -x + 7 + 2x$

b) $5(x - 3) - 7x \geq 4(x - 3) + 9$