

09 – Linear Inequalities, Practice Problems		
	Solve and express answers in interval notation:	Answers:
1	$5x + 3 \geq 10x - 4$	$x \leq \frac{7}{5}$
2	$3(2x - 5) > 7x + 2$	$x < -17$
3	$-5x - 2 \leq -3(x + 10)$	$x \geq 14$
4	$-\frac{4x}{2} - \frac{3}{10} < \frac{2}{5}$	$x > -\frac{7}{20}$
5	$\frac{5x}{3} - \frac{2x}{5} \geq \frac{4}{15}$	$x \geq \frac{4}{19}$
6	$4 < 3x - 2 \leq 10$	$2 < x \leq 4$
7	$-7 \leq -2x + 1 \leq 9$	$-4 \leq x \leq 4$
8	$-5 < 1 - 3x < 9$	$-\frac{8}{3} < x < 2$
9	$-\frac{2x}{3} > 10$	$x < -15$
10	$5x - 10 \geq 3x$	$x \geq 5$