

Name : _____

Linear Inequalities

L2S1

A) Observe the inequalities and complete the table.

Inequality	Is the boundary line dashed or solid?	Is the shaded region above or below the boundary line?
$-y + 5 < 3x$		
$4y + 8 \geq -5x$		
$-10x - y > 0$		
$5x + 9y \leq 9$		
$3x > -y - 7$		

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B) Analyze the problem

Boundary line		Inequality
Solid		$-3y \square -10$
Dashed		$\square - 7 \square 8x$
Solid	Below	$7y + 2x \square 1$
Dashed	Above	$6x \square -3 - y$
Solid	Below	$-9x - y \square 4$