

Name : _____

Linear Inequalities

L2S3

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?
$-7x + y < 9$		
$4x \leq 6 - y$		
$-x + 2 > -9y$		
$-8y + 5x > -1$		
$-10 + 2y \geq 3x$		

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B) Analyze the problem

Boundary line		Inequality
Dashed		$y + 9 \square 2x$
Solid		$x - y \square -3$
Solid	Above	$2y - 6x \square 0$
Dashed	Below	$7x + 8y \square 10$
Solid	Above	$x \square -4 - y$

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