Name : _____

Linear Inequalities

L1S1

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?
$y > 2x + 3$		
$y \leq 4x - 2$		
$y < 2x$		
$y > -x - 5$		
$y \geq -3x$		

B) Analyze the properties and complete the inequality.

Boundary line	Shaded region	Inequality
Solid	Below	y ☐ $-3x + 7$
Dashed	Above	y ☐ $-9x - 2$
Solid	Above	y ☐ 4
Dashed	Below	y ☐ $10x + 1$
Dashed	Above	y ☐ $-5x + 6$

Name : _____

Answer key

Linear Inequalities

L1S1

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?
$y > 2x + 3$	**Dashed**	**Above**
$y \leq 4x - 2$	**Solid**	**Below**
$y < 2x$	**Dashed**	**Below**
$y > -x - 5$	**Dashed**	**Above**
$y \geq -3x$	**Solid**	**Above**

B) Analyze the properties and complete the inequality.

Boundary line	Shaded region	Inequality
Solid	Below	y [≤] $-3x + 7$
Dashed	Above	y [>] $-9x - 2$
Solid	Above	y [≥] 4
Dashed	Below	y [<] $10x + 1$
Dashed	Above	y [>] $-5x + 6$