

Name:

Date:

Period:

For questions 1 – 10, **DO NOT** graph, just complete the 4 requirements below for EACH inequality. Please use a separate piece of paper.

m = \_\_\_\_\_  
b = \_\_\_\_\_

Solid or Dotted  
Above or Below (Left or Right if Undefined)

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

For questions 11 – 20, complete the 4 requirements below for EACH inequality, then **GRAPH** each system of inequalities label the solution set S. Show all your work on the graph paper.

m = \_\_\_\_\_  
b = \_\_\_\_\_

Solid or Dotted  
Above or Below (Left or Right if Undefined)

11.	$y > x - 3$	$y > -x + 5$	12.	$y < x - 5$	$y \geq -2x + 4$
13.	$y < -x + 7$	$y \geq 2x + 1$	14.	$y < x - 1$	$x + y \geq 2$
15.	$x + y \leq 8$	$y > x - 4$	16.	$y + 3x \geq 6$	$y < 2x - 4$
17.	$x + y > 3$	$x - y < 6$	18.	$x - y \geq -2$	$x + y \geq 2$
19.	$2x + y \leq 6$	$x + y - 2 > 0$	20.	$2x + 3y \geq 6$	$x + y - 4 \leq 0$