Systems of Linear Inequalities in Two Variables

Total points = 23

A. 1. YES ✓   2. YES ✓

B.1.

	$x - y \le 1$ ✓	$x + y < 4$ ✓	
B.1.	$2 - 1 \le 1$ ✓	$2 + 1 < 4$ ✓	$\therefore$ YES ✓
	$1 \le 1$ ✓	$3 < 4$ ✓	
	$x \ge -y$ ✓	$2x + y > 1$ ✓	
2.	$-1 \ge -(1)$ ✓	$2(-1) + 1 > 1$ ✓	$\therefore$ NO ✓
	$-1 \ge -1$ ✓	$-1 > 1$ ✓	
	$x - 2y \le 4$ ✓	$x + 2y \ge 0$ ✓	
3.	$2 - 2(-1) \le 4$ ✓	$2 + 2(-1) \ge 0$ ✓	$\therefore$ YES ✓
	$4 \le 4$ ✓	$0 \ge 0$ ✓	

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