Unit 6 Test: Inequalities
Honors Algebra

Please show inverse operations to solve each inequality.
Make your work clear and graph the answers on a number line.

1. $-2 \geq -3x - 23$	2. $-4y - 14 < 90 - 3y$
3. $12 - (2 - z) < 4(z - 13)$	4. $3m + 7m - 17 \geq 5(-4 + 2m)$

5. Graph the solutions to the inequality on a coordinate system: $$y < -\frac{1}{3}x + 5$$	
6. Graph the solutions to the inequality on a coordinate system: $$3x - 4y \le 16$$	

7. Graph the following system neatly on a separate sheet of graph paper:

$y \ge (-4)$ $x + 2y < 6$ $x - 3y > (-6)$