

## Math 1160 – Section 1.2 Answer Key

8. D

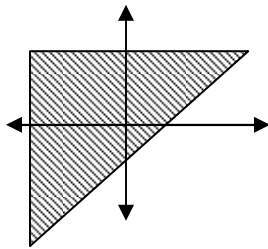
12.  $y \geq 1/2x + 1$

16. Yes. Plug the coordinates of the point into the inequality.

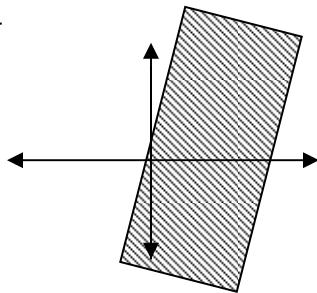
24. Cross out the points below the line. The solutions are on and above the line ( $\geq$ ).

26. Cross out the points above the line. The solutions are on and below the line ( $\leq$ ).

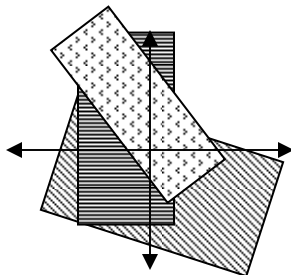
32.  $y \leq x - 2$



38.  $y \geq 8x + 4$



44.



46. Do not graph this. Plug the coordinates of the point (14,3) into all inequalities. If the point makes ALL the inequalities true, the point is in the feasible set.

The point (14, 3) is in the feasible set.

54. E