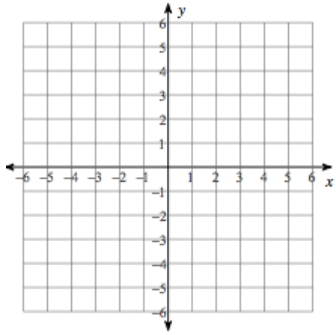
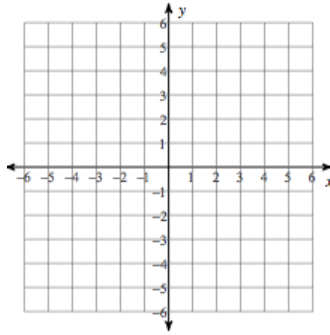


#1-9, Consider each *equation* or *inequality* and graph each with the method you deem best.

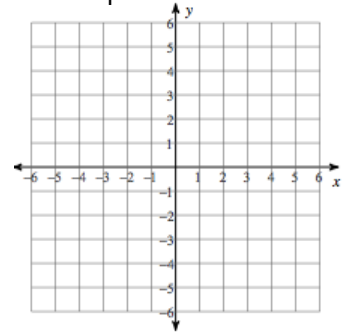
1.  $y < -x + 4$



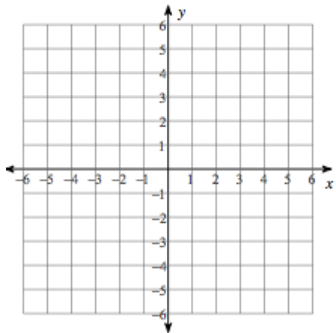
2.  $8x + y \geq 4$



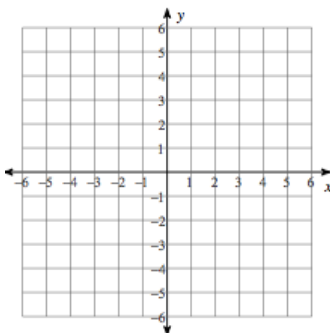
3.  $y = \frac{x}{4} - 3$



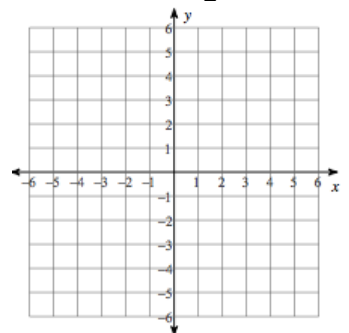
4.  $x - 3y \geq -9$



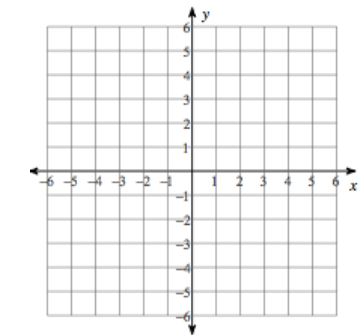
5.  $y > 2(x - 1)$



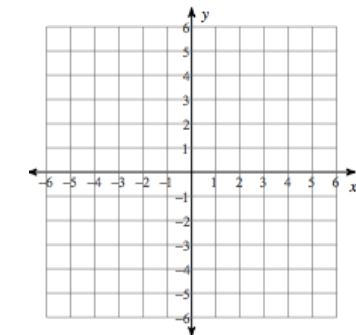
6.  $y \leq \frac{x}{2} + 1$



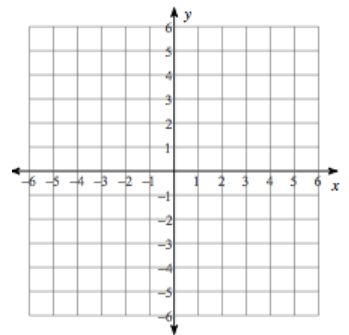
7.  $x < -3$



8.  $-2x + 3y < 10$



9.  $y = -x$

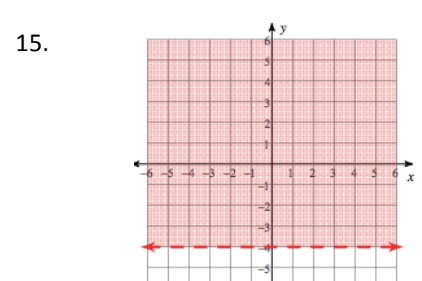
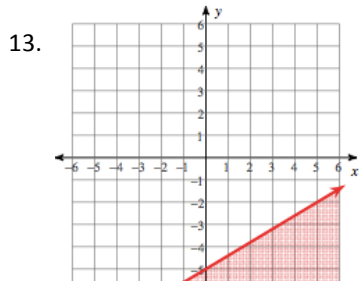


10. Is (0,0) a solution to #2? How do you know?

11. Is (-4, 5.6) a solution to #3? How do you know?

12. Is (4,3) a solution to #6? How do you know?

#13-15, Look at the graph and write the equation or inequality shown.



16. Lernmuch High school 's math department can spend no more than \$2,000 on new texts. The department needs some Statistics books, which cost \$74 each, and some Geometry texts, which are \$66 a piece.
- a. Express this as an inequality
  - b. Define each of your variables.
  - b. Graph the inequality
  - c. Give (3) possible combinations of texts that will work for Lernmuch.

