Name___*key*_____

Date_____

Graphing Linear Inequalities

Graph the inequality **y > -2** on the grid below.

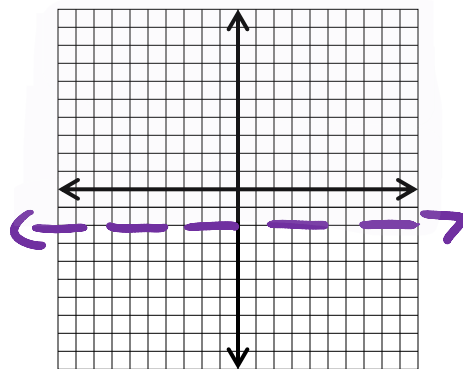   Q: Where will the **boundary line** be? How do you know? $y = -2$

    Q: Will the boundary line be **solid** or **dashed**? How do you know?   dashed
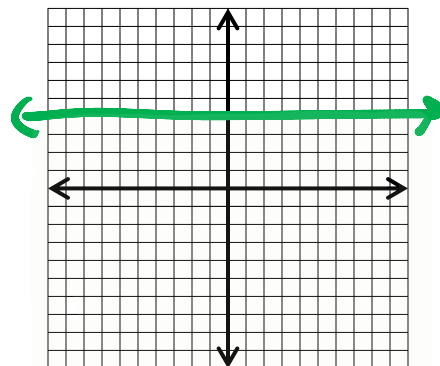
    Q: Will you **shade above** or **below** the boundary line? How do you know?   above

How will the graph of **y ≤ 4** be different from your graph above? Graph it here to see:

    solid,
    below
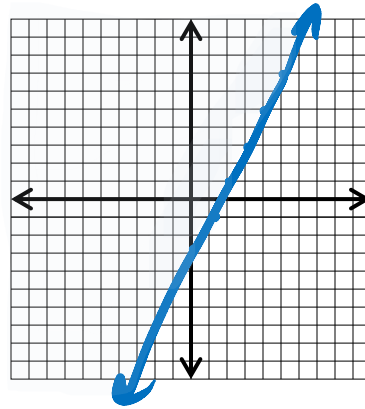
Graph the inequality **y ≥ 2x − 3**.

  Q: How do you draw the boundary line? $y = 2x - 3$ (solid)

  Q: How do you determine which way to shade?

  above
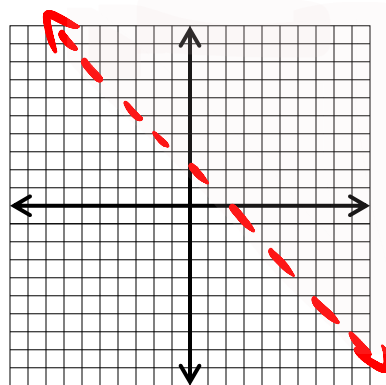
Graph the inequality **x + y > 2**

  $y > 2 - x$

  dashed,
  above

Graph the inequality **4x − 2y ≤ 6**

$-2y \leq 6 - 4x$

$y \geq -3 + 2x$

  solid,
   above