

Warm-Up

1. What is the difference between open and closed circles when graphing inequalities?
2. Graph $y > 2$
3. Graph $y \leq -3$

Today's Schedule

10:30-11:27

1st

11:30-11:57

HL

11:59-12:24

Lunch

12:29-1:26

2nd

1:29-2:25

3rd

2:28-3:25


4th

Today's Agenda

Talk about graphing linear inequalities (10 minute lesson)

MALM project

Early finishers can work on HW or ask Ms. Barger for a holiday door decoration task



Graphing Linear Inequalities

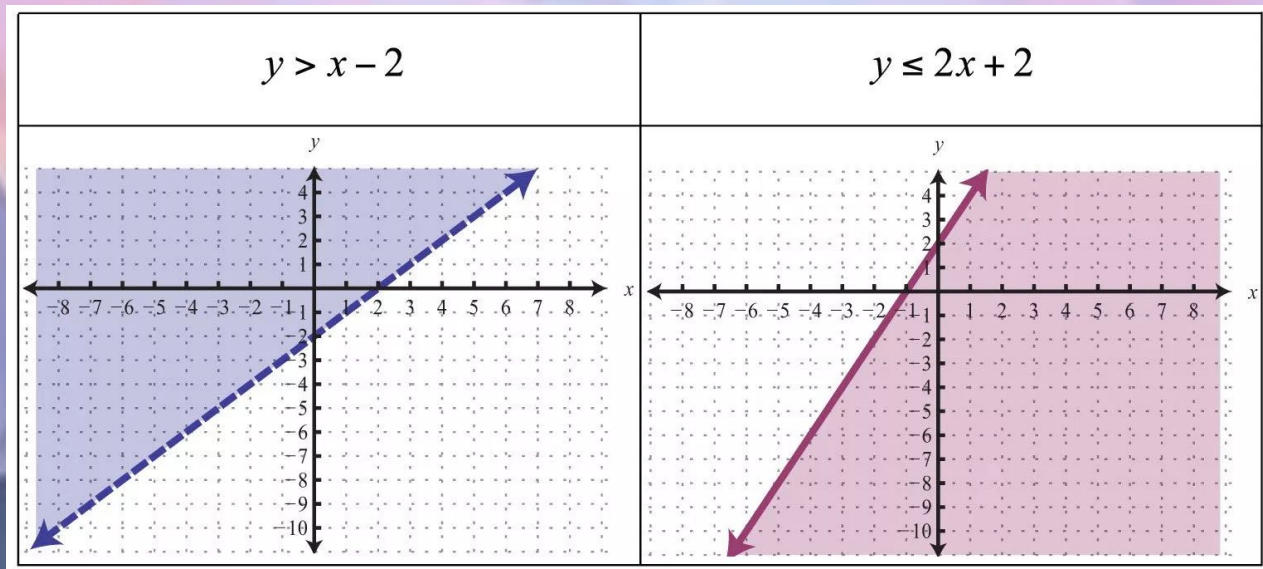
Rules:

Graph the inequality like a normal equation BUT

- Use a dotted line for $<$ and $>$
- Use a solid line for \leq and \geq

Shade the inequality

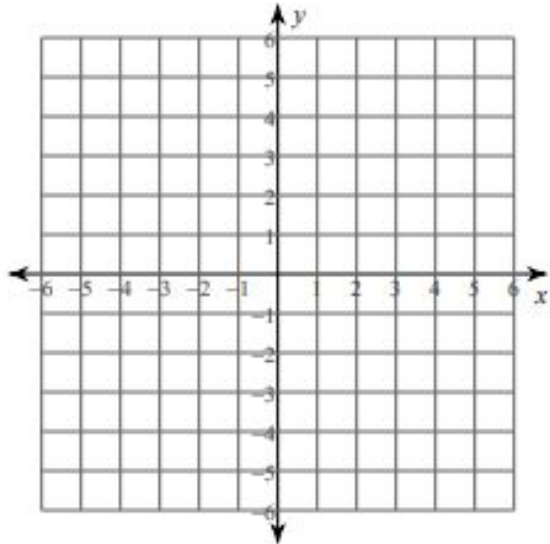
- Shade above for \geq and $>$
- Shade below for \leq and $<$



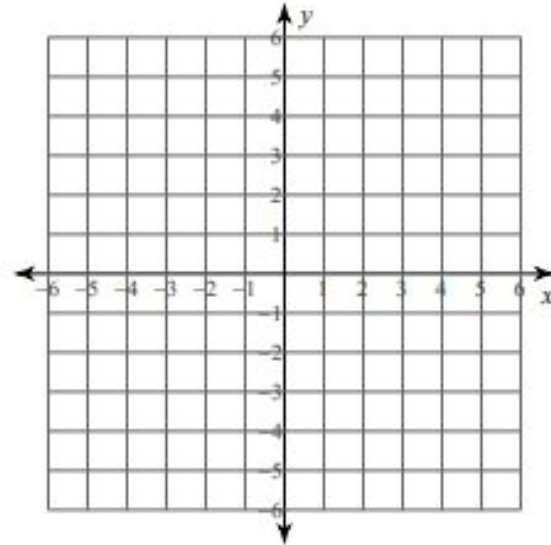
Graphing inequalities worksheet... we will do number 1 and 2 as a class, the rest is HW

Sketch the graph of each linear inequality.

1) $y \geq -3x + 4$



2) $y \leq \frac{3}{5}x - 5$





MALM Project