

Learning Targets

I CAN solve and graph inequalities

I CAN graph a two-variable inequality and determine where its solution(s)are located.



Choose a test point, (0,0). Substitute x=0 and y=0 into y>3x - 1

0> 3(0) -1





Steps to Graphing Inequalities:



- 1. Isolate the y, if necessary. \searrow \nearrow
- 2. Determine whether it is a dashed or solid line.
- 3. Graph the dashed or solid line.
- 4. Find a test point.
- Must be coordinates that do not touch the line.

5. If the test point turns out to be true, shade that half plane. If not, shade the other half.



2.8 Solving Inequalities 34-35.notebook



Note:

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Inequality symbol flips, if you multiply or divide by a negative number Homework: Graphing Linear Inequalities Worksheet.