

2.7 Review - Warm - up

Decide whether $(1, 2)$ is a solution to the inequality.

1. $y > 3x + 2$

$2 > 3(1) + 2$?
 $2 > 5$?

No, $(1, 2)$ is NOT a solution

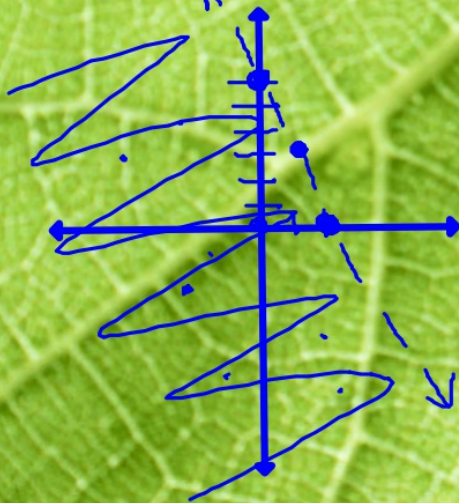
2. $y \leq -2|x + 4|$

$2 \leq -2|1 + 4|$?
 $2 \leq -2|5|$?
 $2 \leq -10$?

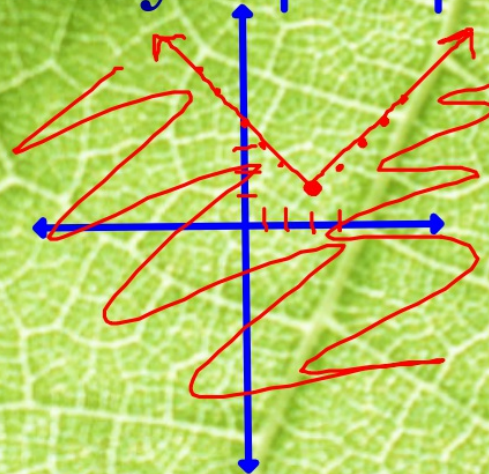
No, $(1, 2)$ is not a solution

Sketch a graph the following inequalities

$y = -3x + 6$
3. $y < -3x + 6$ $0 < 6$ ✓



4. $y \leq |x - 3| + 2$



$0 \leq |0 - 3| + 2$?
 $0 \leq |-3| + 2$?
 $0 \leq 3 + 2$?
 $0 \leq 5$ ✓