

Name: _____

Date: _____

Is the point a solution of both inequalities? Circle Yes or No.

① $y \leq 2x + 2$ (1, 4)

$y \geq \frac{2}{3}x + 1$

Yes

No

② $y > -\frac{3}{2}x + 1$ (4, -5)

$y \geq 2x - 3$

Yes

No

③ $y \leq -\frac{3}{2}x - 1$ (3, 1)

$y \leq x$

Yes

No

④ $y \leq \frac{1}{3}x - 1$ (-2, -2)

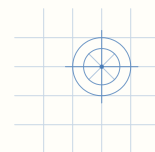
$y > 2x - 3$

Yes

No



Graph inequalities in two variables · Check a point — Answer key



1. $y \leq 2x + 2$ and $y \geq \frac{2}{3}x + 1$,
(1, 4): Yes

2. $y > -\frac{3}{2}x + 1$ and $y \geq 2x - 3$,
(4, -5): No

3. $y \leq -\frac{3}{2}x - 1$ and $y \leq x$, (3,
1): No

4. $y \leq \frac{1}{3}x - 1$ and $y > 2x - 3$,
(-2, -2): Yes