

## Steps

$$y \quad \square \quad mx + b$$

↑ inequality symbol  
 ↑ slope  
 ↑ y-int

① Identify y-int

② Find slope

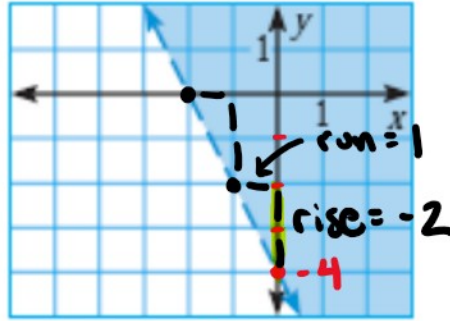
$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{\text{rise}}{\text{run}}$$

③ Less than if graph is shaded below <

Greater than if graph is shaded above >

④ Use "equal to" sign if line is solid ←→

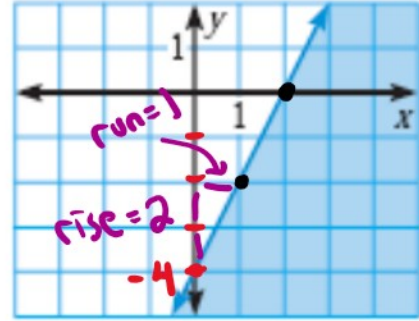
Do not use "equal to" sign if line is dashed ←- - -→



dotted line -  
shaded above >

① y-int = -4  
② slope =  $\frac{-2}{1} = -2$

$$y \geq -2x - 4$$



solid line  
shaded below <

① y-int = -4  
② slope =  $\frac{2}{1} = 2$

$$y < 2x - 4$$