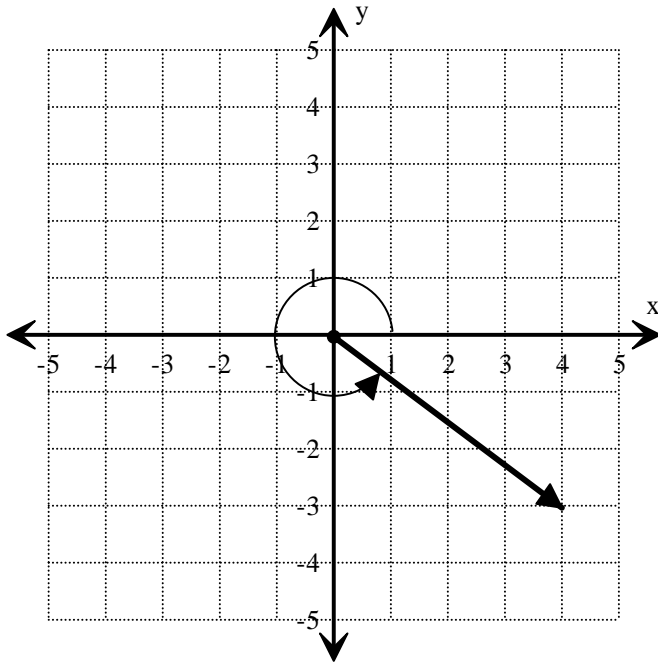


→

1) You're given: $v = \langle 4, -3 \rangle$

2) Sketch a pic quickly to get a feeling for the angle.



3) Use the tangent function.

$$\tan(\theta) = \frac{-3}{4}$$

4) Apply the inverse tangent

$$\theta = \tan^{-1}\left(\frac{-3}{4}\right)$$

$$\theta \approx -36.87^\circ$$

5) Add this angle to get $360^\circ + (-36.87^\circ) = 323.13^\circ$