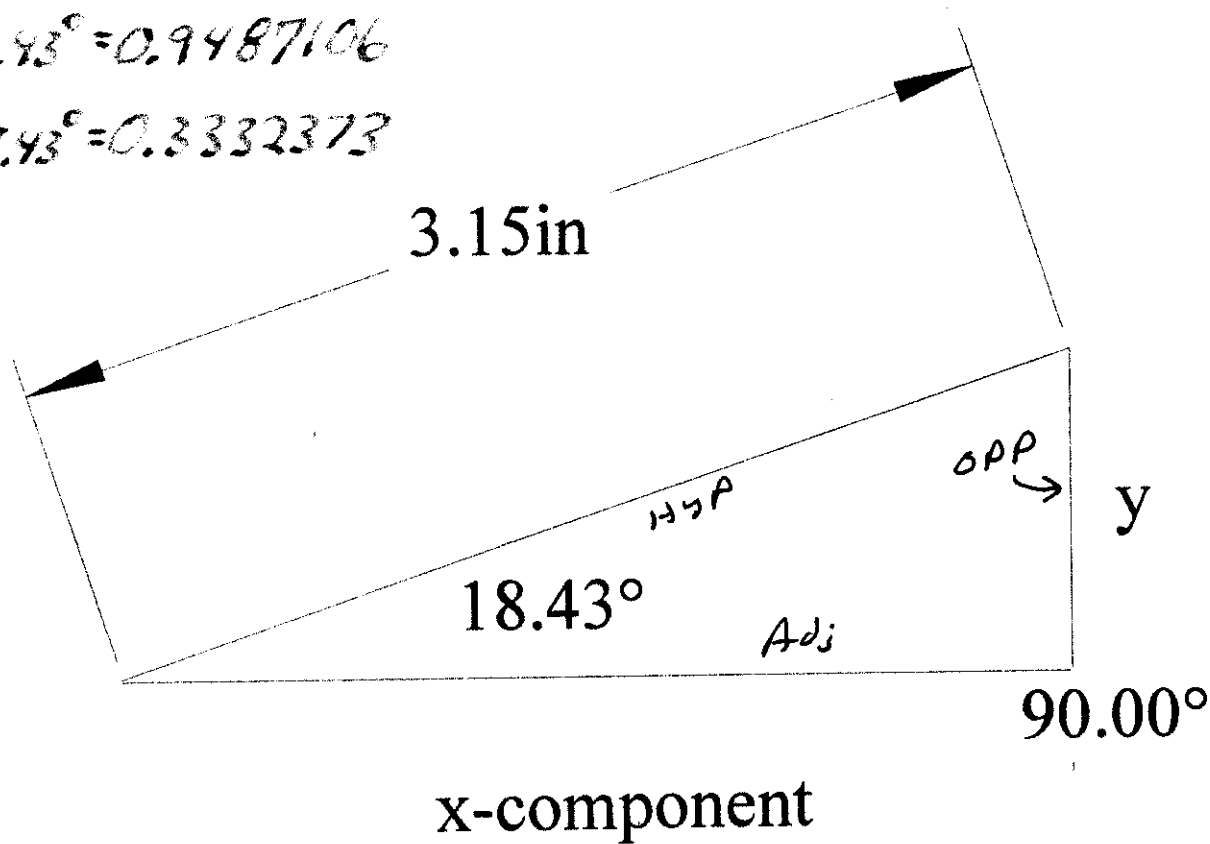


$$\text{Sine } 18.43^\circ = 0.3161458$$

$$\text{Cosine } 18.43^\circ = 0.9487106$$

$$\text{Tangent } 18.43^\circ = 0.3332373$$



Name Key

$$\sin \phi = \frac{\text{OPP}}{\text{HYP}}$$

$$\text{OPP} = \text{HYP}(\sin \phi)$$

$$y = (3.15)(.3161458)$$

$$y = .99585927$$

Round to 3 S.F.

$$y = 1.00$$

$$\cos \phi = \frac{\text{ADJ}}{\text{HYP}}$$

$$\text{ADJ} = \text{HYP}(\cos \phi)$$

$$x = (3.15)(.9487106)$$

$$x = 2.98843839$$

Round to 3 S.F.

$$x = 2.99$$

Determine both the x and y components of this vector.

From calc. w/ no rounding

$$y = .995859345$$

$$x = 2.988438416$$