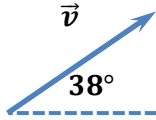


Introduction to Vectors Exit Quiz

5. Find the magnitude of the horizontal and vertical components of each vector.

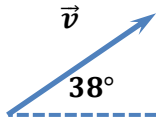
19. $|\vec{v}| = 12$



Introduction to Vectors Exit Quiz

5. Find the magnitude of the horizontal and vertical components of each vector.

19. $|\vec{v}| = 12$



$$\cos 38^\circ = \frac{|\vec{x}|}{|\vec{v}|}$$

$$\sin 38^\circ = \frac{|\vec{y}|}{|\vec{v}|}$$

$$|\vec{x}| = |\vec{v}| * \cos 38^\circ$$

$$|\vec{y}| = |\vec{v}| * \sin 38^\circ$$

$$|\vec{x}| = 12 * 0.79$$

$$|\vec{y}| = 12 * 0.62$$

$$|\vec{x}| = 9.46$$

$$|\vec{y}| = 7.38$$

