VECTORS · GRADE 12

Vectors · Grade 12

Name _____ Date _____ Score _____ / 4

01 Find $|\vec{v}|$ given $\vec{v} = \langle 6, 8 \rangle$ = _____

02 Find $\vec{AB}$ given A(-3, 5) and B(0, 2) = _____

03

A vector has magnitude 11 and direction 171° (from the positive x-axis). Find its Cartesian components ≈

_____

04 Find the magnitude and direction of $\vec{v} = \langle -2, -2 \rangle$ ≈ _____

VECTORS · GRADE 12

Vectors · Grade 12 (Answer Key)

01 Find $|\vec{v}|$ given $\vec{v} = \langle 6, 8 \rangle$ = **10**

02 Find $\vec{AB}$ given A(-3, 5) and B(0, 2) = $\langle 3, -3 \rangle$

03

A vector has magnitude 11 and direction 171° (from the positive x-axis). Find its Cartesian components ≈

$\langle -10.9, 1.7 \rangle$

04 Find the magnitude and direction of $\vec{v} = \langle -2, -2 \rangle$ ≈ **r ≈ 2.8, θ ≈ 225.0°**