

Math 241: Quiz 2

Show ALL Work

Name _____

1. What is the volume of the parallelepiped which has vectors $\langle 1, 0, 1 \rangle$, $\langle 1, 1, 0 \rangle$ and $\langle 0, 1, -2 \rangle$ as adjacent edges? Show work and simplify your answer.

Volume: (simplify)

2. What is the height of the parallelepiped in the problem above where the base is determined by the edges formed from $\langle 1, 1, 0 \rangle$ and $\langle 0, 1, -2 \rangle$? Show work and simplify your answer.

Height: (simplify)