

MATH 251: Practice 3

May 28, 2015

Name: _____

Let $u = \langle 1, 2, 1 \rangle$ and $v = \langle 2, -1, 3 \rangle$.

- (a) Compute $u \times v$.
- (b) Find the area of the parallelogram spanned by \vec{u} and \vec{v} .
- (c) Find the volume of the parallelepiped spanned by \vec{u} , \vec{v} , and $\langle -1, 1, 1 \rangle$.