

MATH 2415 Test 1 Name: _____

1. Given the arrows below, sketch and label the arrow $3\vec{u} - \vec{v}$.

2. Find a unit vector parallel to the line $x = 2t + 5, y = -t + 1, z = 7$.

- 3.** Find the area of the triangle with vertices $(0,7,2)$, $(3,0,4)$, and $(5,8,0)$.