

Vector Practice

1. Draw vector \vec{A} on the map pointing from the flagpole to the center of Flattops 7 & 8 (by the CTE greenhouse). Determine the magnitude and direction of this vector.

$\vec{A} =$ _____

2. Draw vector \vec{B} on the map pointing from the center of the stage of the outdoor classroom (just west and south of red wing) to center of the storage building at the southwest corner of the junior parking lot. Determine the magnitude and direction of this vector.

$\vec{B} =$ _____

3. What is located 850 feet, 154° from the small magnolia tree located at the exact center of the parking circles? Draw and label this vector \vec{C} on the map.

at the end of \vec{C} : _____

4. A student walks 296 feet, 237° along a straight section of sidewalk. Describe the most likely beginning and ending points in words. Draw and label this vector \vec{D} on the map.

NOTE: If you prefer you can use an online mapping system. With Google Maps you can zoom to the same view as shown here and switch to Satellite view. Then right click and choose Measure Distance. This allows you to measure the straight line distance between two points. The angle (compass bearing) is not available on Google Maps – so just hold up a protractor next to the computer screen and judge the vector's direction that way.



Scale: 1:2040 (1.0 centimeter represents 67 feet or 20.4 m)