Quiz 2 Calculus III Fall 2015
Name:
Solve the following problems. Explain and show work.
Q1. (3 points)
(a) Let $\vec{u}=\langle-2,1,2\rangle$ and $\vec{v}=\left\langle 1,0,-\frac{1}{3}\right\rangle$. Compute $\vec{u}+\vec{v}$.
(b) Find the unit vector that has the same direction as $\vec{u}=\langle-2,1,2\rangle$.
(c) Draw $\vec{a}-\vec{b}$ using the parallelogram law:


Q2. (7 points) A decoration with weight 20 lb is suspended by wires as indicated. Find the tension in each wire and the magnitude of each tension.


