

November 23, 2014

Math 242 Students
Hampden-Sydney College
Hampden-Sydney, VA 23943

Dear Multivariable Students,

Pie in the Sky Delivery Service is committed to bringing fast and reliable package delivery to college campuses around Virginia. Our fleet of autonomous helicopter drones will provide rapid package delivery to any campus that signs up for our service. You will be amazed at how quickly moms and dads can send care-packages to homesick college students. We promise that those brownies will still be warm when they arrive!

We are thrilled to announce that three colleges in Virginia may have expressed an interest in our service. We hope to open a new delivery hub that will provide delivery services to Hampden-Sydney College, The College of William & Mary, and James Madison University. Based on anticipated demand, we expect that our helicopters will deliver an average of 2 packages/week at Hampden-Sydney, 3 packages/week at William & Mary, and 4 packages/week at James Madison.

Your professor has informed us that you may be able to help us choose a location for our new hub. We would like to choose a location for our hub that minimizes the total distance the helicopters will need to fly each week. We hope that you can help us find a suitable town that will provide a good location for our new base of operations.

In order to finalize plans for our hub before the New Year, we would greatly appreciate your report by noon on Friday, December 5.

Sincerely,

Harold McFeely
Pie in the Sky Delivery Service
By and By Lane
Washington, D.C.