Write a program to perform vector arithmetic.

You are to create a class, Vector, which has three properites: x, y, z. Any object of the class represents the vector xi + yj + zk.

Override the _add__, _sub__, _mul__ and _len__ operators.

The addition operator should return a new vector which is the sum of both vectors, the subtraction operator returns the difference, the multiplication operator returns the cross product and the the len() function returns the magnitude of the vector passed in as a parameter.

Create two objects of the class Vector, find the magnitude of both vectors, and then find the sum, difference and cross product.