

Graph I is most similar to <1,427 interms of magnitude and direction of its vectors.

(15) F(X/1/2) = 1+2j+3k= <1,2,3>

Since F(X/Y/2) has a unidirectional vector field. All points on (X/Y/2) will have vector < 1,2,37 dua same direction and magnitude of Graph III is the only graph with the preceding property therefore has vector <1,2,37 and 1 points.

F(x1/12)= Xi +1j +3k = < Xi /13 >

Since for every X,y, the k component in the vector is always

3, therefore every vector for every point (XxY/2) has alk component

of 3, and is pointing upwards as pertle right handrule. Grouph

till is the only graph with the preceeding property, there

fore has vector < X1/13 > applied for every X/1.