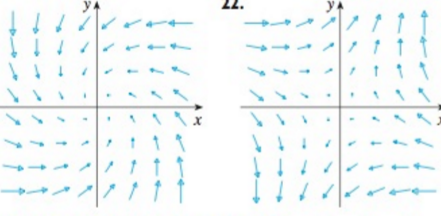
**Sample Quiz**

1. One of the two vector fields shown below is conservative, the other one is not. Which one is **not** conservative?

*Hint: We know that if was conservative, then for every closed curve*



1. Find , where C is the straight line segment from (-1,0) to (2,1)
2. Find where and C is a curve from (0,1,0) to (2, 4, 6)
3. Find where C is the upper half circle centered at the origin from (2,0) to (-2,0) using whichever method you find easier.