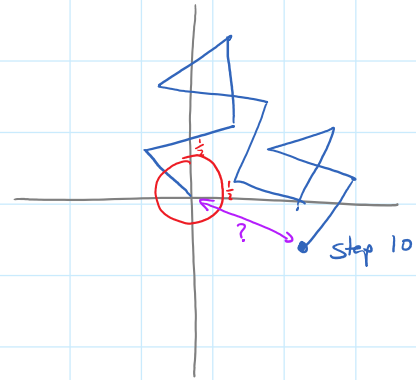
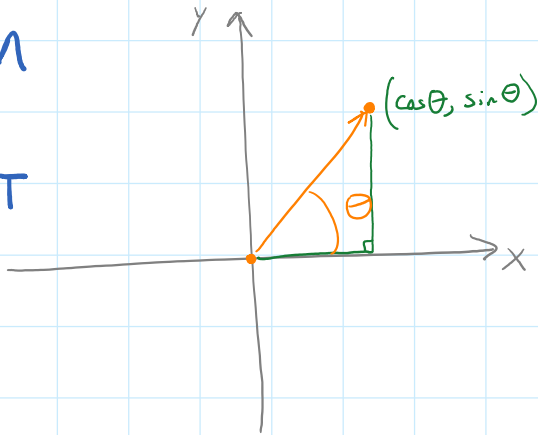
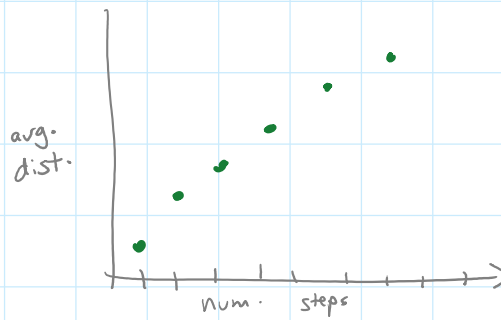


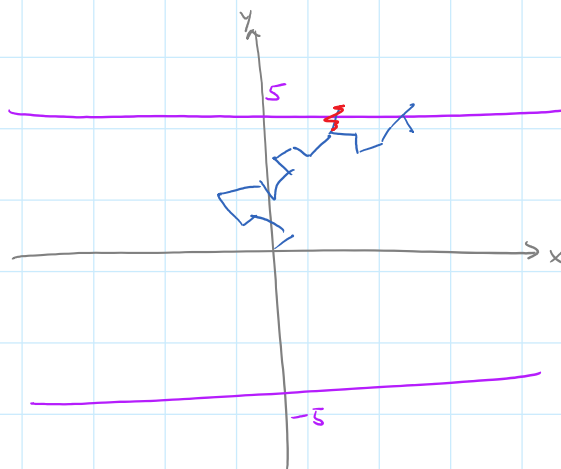
# RANDOM WALKS PROJECT



plot:



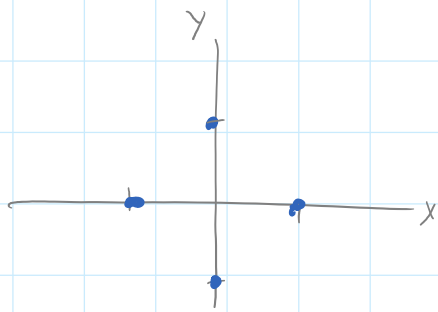
Constrained random walk:



if  $-1 \leq x \leq 1$ :

if  $-1 \leq x$  and  $x \leq 1$ :

QUESTION: Do all 2D random walks return to the origin?



probability of returning  
to the origin on the  
second move:  $\frac{1}{4}$

