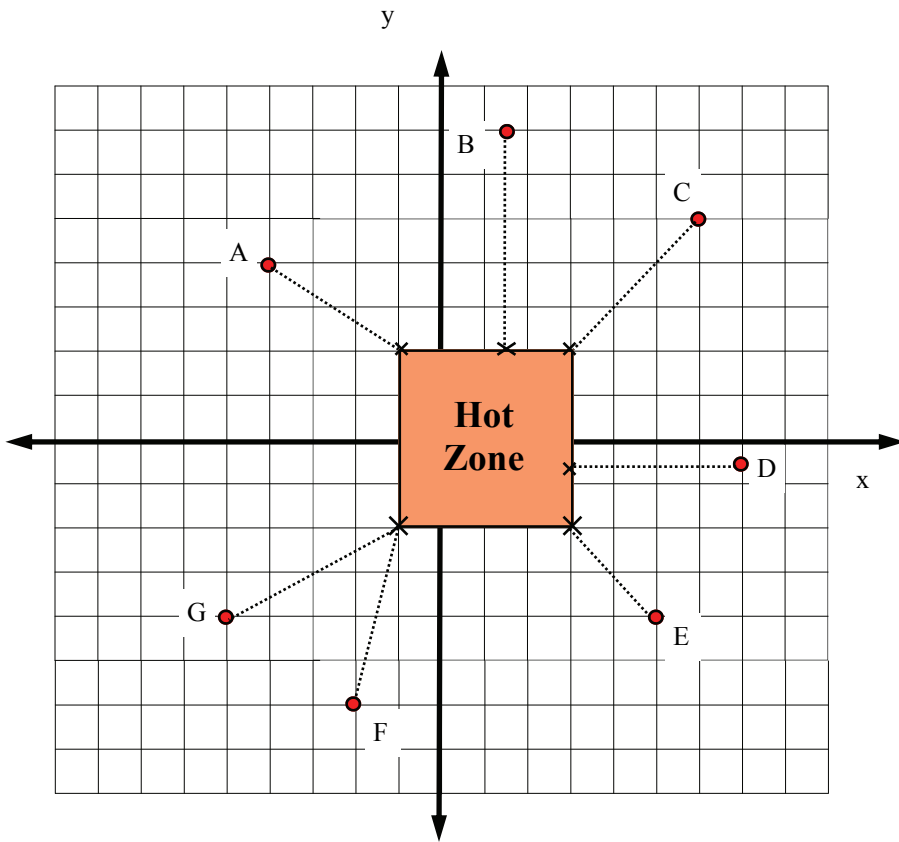


Name _____ Date _____

NUMB3RS ACTIVITY: How can we find the distance to the perceived “HOT” zone?

Mathematics professor Charlie Eppes is looking at a mapping of places where a serial rapist has committed his crimes and left the victims. From the data he has been given by his brother, FBI agent Don Eppes, he has predicted an area where this criminal is likely to live called the “Hot Zone.” In order to minimize the time and cost necessary for the FBI agents to find this man, Don needs to know where his team should look as long as this “Hot Zone” is small enough to canvas. Find the distance (to the nearest tenth) from the closest point in the “Hot Zone” (labeled X) to each site where the crime has occurred (labeled A,B,C,D,E,F& G).



Hot Zone to Site Whose Letter is	Distance (nearest tenth)
A	
B	
C	
D	
E	
F	
G	

SHOW ALL WORK BELOW

Answer the following questions using the information on the previous page.

Which site is the farthest distance from the “hot zone?” _____

Which site is the shortest distance from the “hot zone?” _____

What is the mean, *to the nearest tenth*, for these distances? _____
(show your work!)

According to the episode and the paragraph on the previous page, what does the “Hot Zone” represent?
