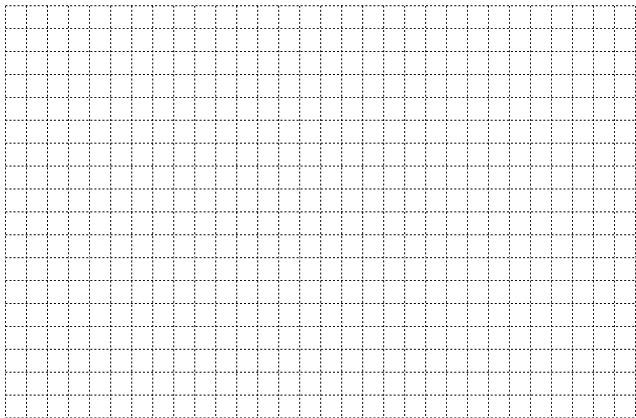


# Graphing Speed

Name: \_\_\_\_\_

Tim is again chasing a cat around his neighborhood. This time the cat is a bit larger. Create two lines on a graph from the following data table, and then answer the questions about their motion.

Chasing a Cat			
Tim		Cat	
Distance (m)	Time (s)	Distance (m)	Time (s)
0	0	10	0
2	2	10	2
4	4	12	4
6	6	14	6
8	8	16	8
10	10	16	10
12	12	16	12
14	14	16	14
12	16	15	16
10	18	13	18
8	20	10	20
6	22	6	22



## Graphing Speed

Name: \_\_\_\_\_

25. Calculate Tim's speed over the first 14 seconds

26. Does either of them stop at any point? How do you know?

27. Was Tim's chase successful? Explain what happened at the end of the chase.

28. Who traveled a greater distance (find both)? Who had the greatest displacement (find both)? Explain

29. Find their average speed.