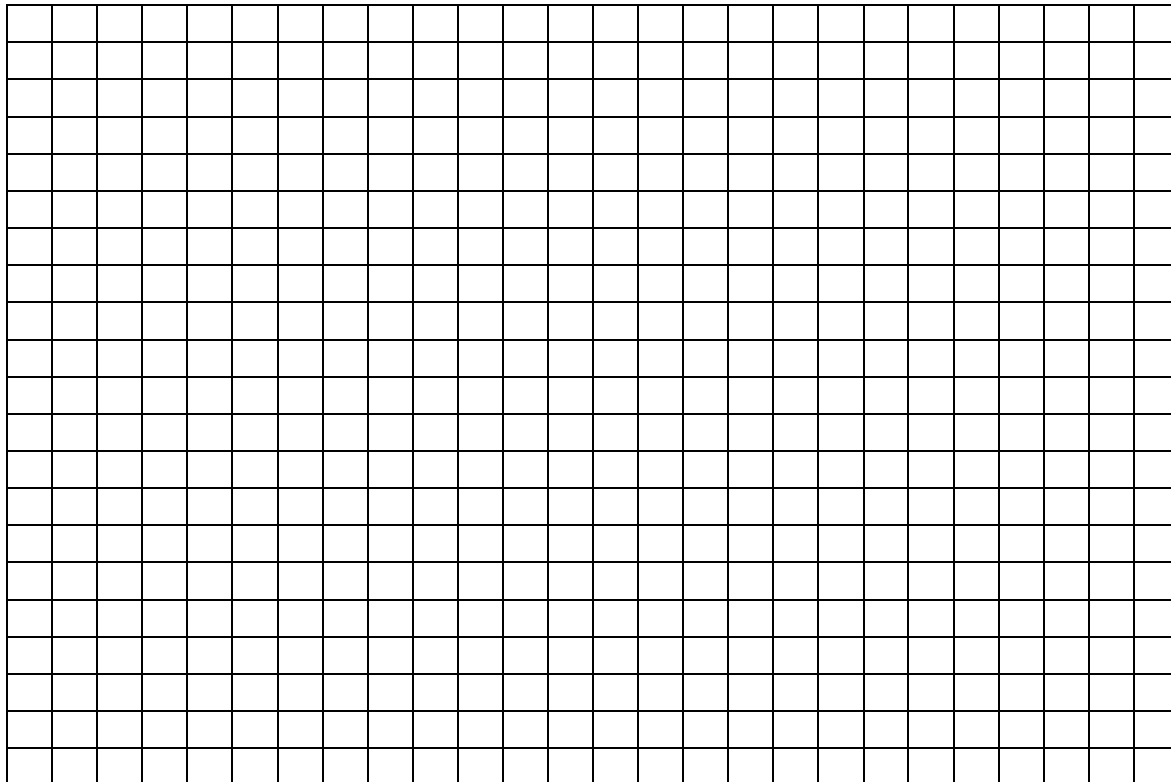


1) Given the following scenario, graph a function that would map Marleo’s distance away from his house according to the time elapsed. Then answer the questions that follow:

*Marleo is traveling to school from his house. Marleo’s house is 20 blocks away from school. He jogs at a rate of 4 blocks (y) per minute (x). Marleo jogs for 3 minutes before realizing he forgot his ID card. He sprints back to his house at a rate of 6 blocks per minute. He is in his house for 2 minutes before he finds the ID card and starts back on his way to school. Now Marleo is tired and starts walking to school at a rate of 2 blocks per minute. After four minutes of walking he thinks he may be late, so he starts sprinting (six blocks per minute) to make it just in time for morning prayer.*



a) *If Marleo walked the whole way to school, how long would it take?*

b) *If Marleo jogged the whole way to school, how long would it take?*

c) *What was the total time of Marleo’s trip?*