Journey to the Bus Stop

Every morning Tom walks along a straight road from his home to a bus stop, a distance of 160 meters. The graph shows his journey on one particular day.

1. Describe what may have happened. You should include details like how fast he walked.

   Tom walked until he was 100 meters from his home. Then, he realized that he had dropped his homework, so he turned around and walked 60 meters and picked up his homework. Then, he turned around and walked faster to get to the bus stop on time. He got to the bus stop 100 seconds after leaving his home and waited for the bus.

2. Are all sections of the graph realistic? Fully explain your answer.

   Yes, all of the sections of the graph are realistic. For example, the horizontal line starting at 100 seconds represents Tom waiting for the bus stop (and not walking).