

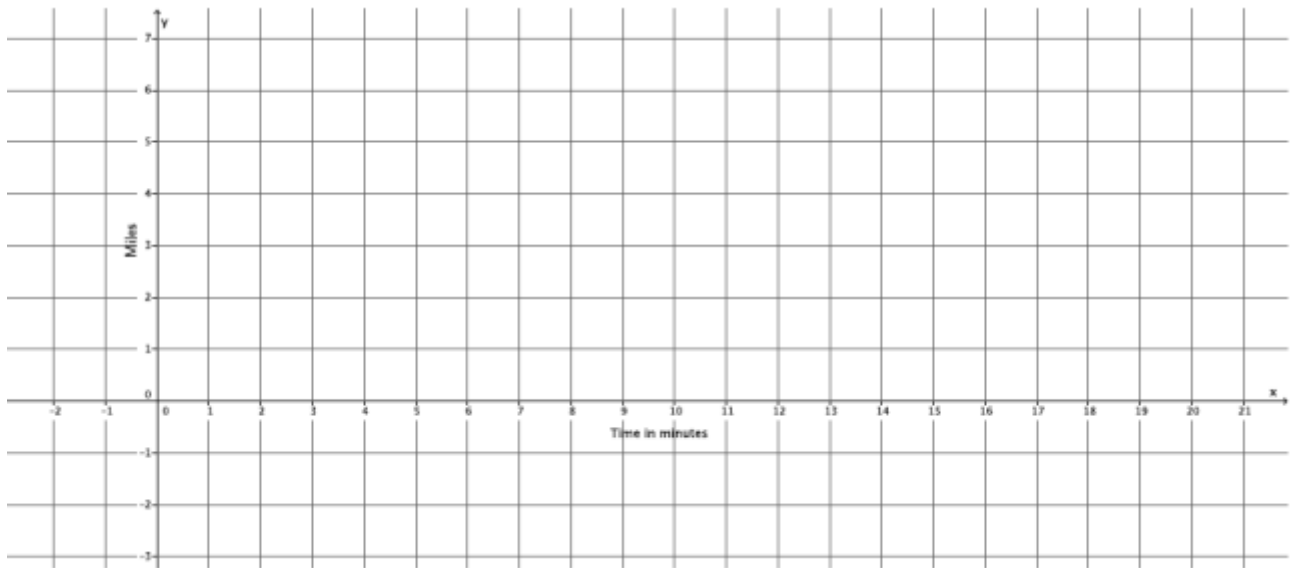
Date _____

Exit Ticket

a. Write the linear equation that represents Darnell's constant speed.

- b. Write the linear equation that represents Hector's constant speed. Make sure to take into account that Hector left after Darnell.
- c. Write the system of linear equations that represents this situation.

d. Sketch the graph.



e. Will Hector catch up to Darnell before he gets home? If so, approximately when?

f. At approximately what point do the graphs of the lines intersect?