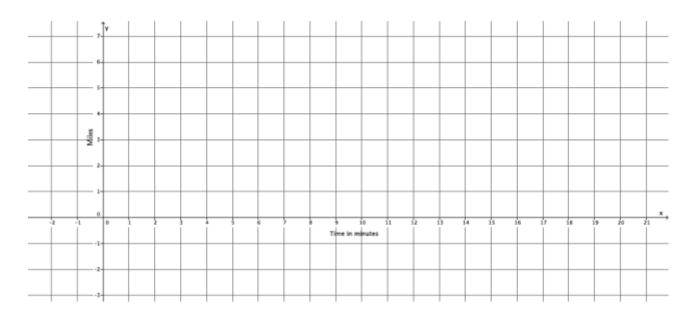
Name	Date
Lesson 24: Introduction to Simultaneous Ed	quations
Exit Ticket	
Darnell and Hector ride their bikes at constant speeds. Darnell leaves Hector's lin 32 minutes. Five minutes after Darnell leaves, Hector realizes that Darnel He can ride to Darnell's house in 24 minutes. Assuming they bike the same he gets home? a. Write the linear equation that represents Darnell's constant speed.	ell left his phone. Hector rides to catch up.
b. Write the linear equation that represents Hector's constant speed. M left after Darnell.	lake sure to take into account that Hector

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?