2. Ms. Rodriguez starts out for school at 5:00 AM and drives 15 miles in 10 min. She then stops for 30 minutes at Starbucks for a coffee. She continues driving, but there is traffic. She travels 20 minutes and covers 10 miles and arrives at school.

Draw a graph with the distance on the vertical axis and time on the horizontal axis.

## \*\*On a separate sheet of paper

Then fill out the table below:

Part of Trip	<u>Equation</u>	<u>Domain</u>
Driving Part 1	$m=3/2$ $y=3/2 \times +0$	(0,10)
Starbucks Stop	m=0 $y=15$	(10,40)
Driving with Traffic	m=1/2 b=-5 U=1/2 X-5	[40,60)

What time does she arrive at school?

6:00 A.M.

What is the range of the problem and what does it mean in context of the situation? UD MINUTES.

THE UNATH OF HIP



