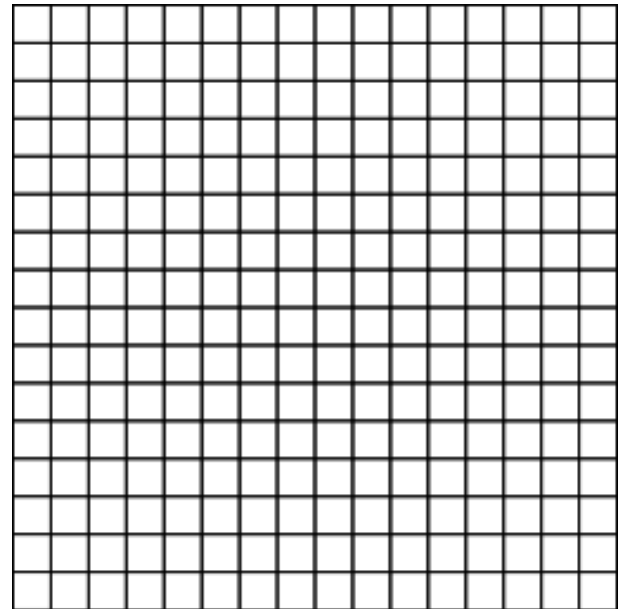


Name: _____ Period: _____ Number: _____

3.2/3.3c Notes – Linear Functions and Stories

Jeffrey and Booker both wanted to run faster, so they started to cross-train by running hills with Mendy. (hahahahahahahaha!). Mendy liked to run up the Y-mountain, so they ran with her. Soon they trained so much that once they started on the mountain, they could keep a constant pace of 10-minute miles, and that's fast (faster than the squatches anyway). So one day, they ran out in Payson to warm up, drove to the mountain, and started running. By the time they had run 8 miles total, they had run 45 minutes up the mountain.

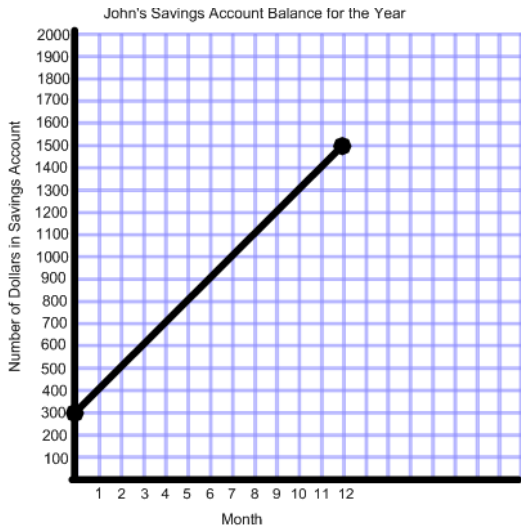
Connect the story to the graph. Draw the graph.
Write an equation that represents Booker and Jeffrey's running-ness up the mountain.



What is the y-intercept? _____ What does it MEAN? _____

What is the slope? _____ What does it MEAN? _____

If Booker and Jeff ran for an hour and 20 minutes, how many miles would they have run? Figure it out below.



Here is a lovely graph. Make an equation from it.

What does your y-intercept MEAN?

What does the slope mean?

Write down a point: _____

What does that point represent?

Brock a Lock and Tyson really wanted to join the MEC (Mullet Elites Club) over in Payson because if you were a member, you got mullet wigs really cheap from there! So Brock and Tyson went, got their memberships, and headed to the club store. Tyson bought 3 wigs and ended up paying \$65.24. Dang, Gina! Brock a Lock paid \$82.74 after buying 5 wigs!

Make an equation from it.

What does your y-intercept MEAN?

What does the slope mean?

Write down a point: _____

What does that point represent?
