

Lab 4.2 Mowing the Lawn

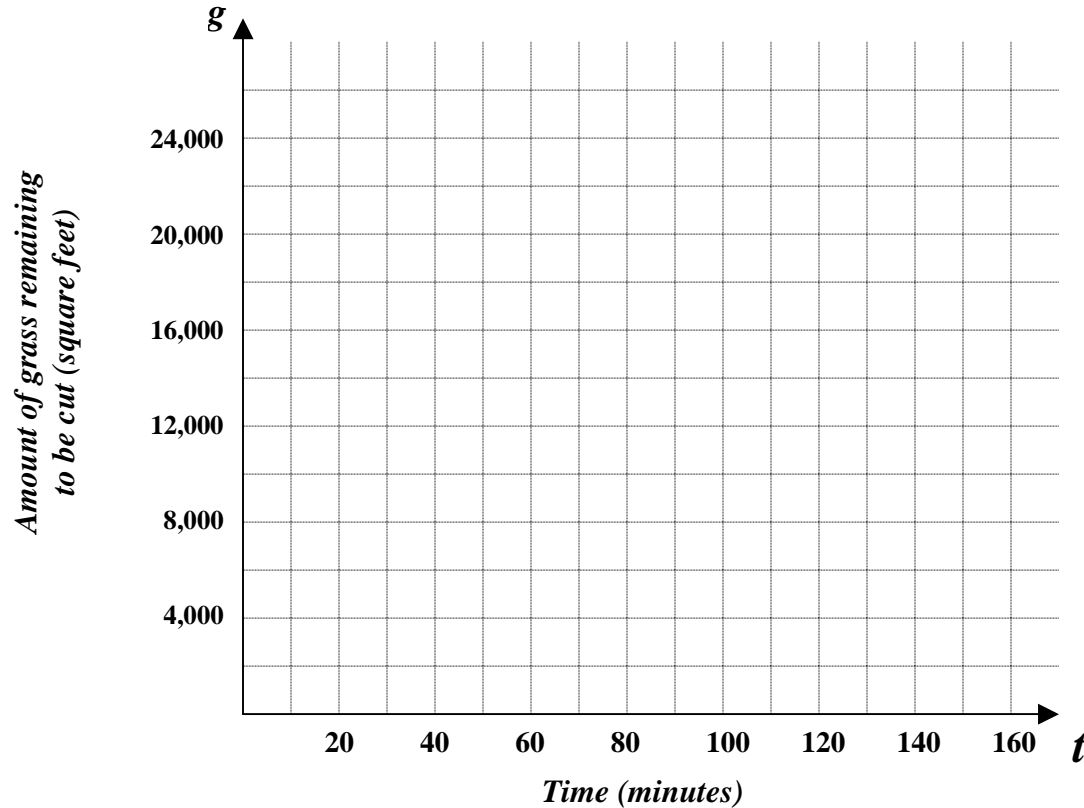


Name _____

Date _____ Period _____

Uncle Fred lives on a large farm in the country. You will be spending the weekend at Uncle Fred's, and you have offered to mow the lawn. Uncle Fred's lawn covers an area of 24,000 square feet. You mow for 50 minutes and cut half of the lawn. You take a 10-minute break. After the break, you resume mowing the lawn and it takes you 80 minutes to finish.

Sketch a series of line segments that shows how much grass remains to be cut, as you mow the first half (segment A), take your break (segment B), and finish mowing (segment C).



There should be three distinct line segments that make up your graph. Label them A, B, C.

- a) Which line segment is the steepest?
- b) Compare this line with the next steepest line. What does the steepness mean in the context of this graph?
- c) Which line is the “shallowest” (i.e. least steep)? What word can you think of that best describes the steepness of this line? What is happening to the grass during the time spent on this line?