

Name:

3.5 - Estimating with Interpolation & Extrapolation

Use interpolation and extrapolation to estimate the values on a graph.



The graph shows the distance travelled by Bobbie's family on a trip from Burnaby to Penticton. a) How long did it take his family to travel 320 km? Bobbie's Family Trip

4 Hours

b) How far did they travel after 3 hours?

c) If the family continued through Penticton to Enderby, a total of 550 km, use the graph to estimate how long it would take.





Example 2: The graph shows the distance travelled by a tour boat over 5 hours.

a) Approximately how long will it take to travel 35 km?

INTERPOLATION

3.5h

b) Predict how far the boat will travel in 7.5 hours.

EXTEAPOLATION

75 km

c) Predict how long it will take the boat to travel 100 km.

EXTRAPOLATION loh.



Example 3: Use this graph to answer the following questions:



EXERCISES 3.5 IN WORKBOOK

p. _____ #2-4 for novice/apprentice or #2-5 for experts