

Name _____

Date _____

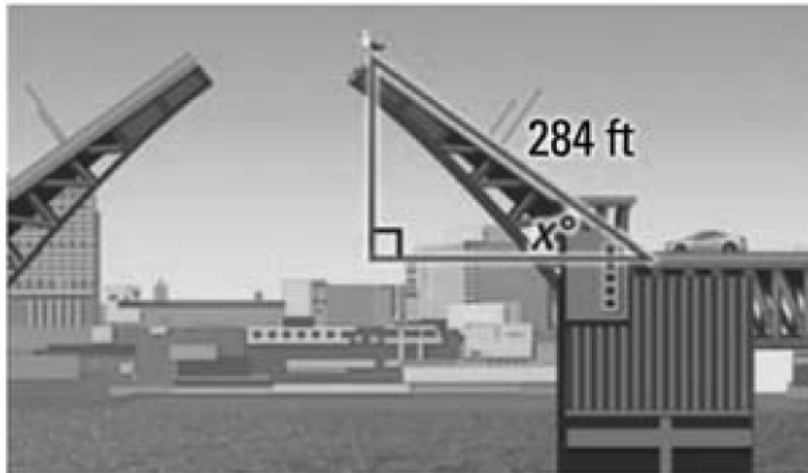
Open-ended Task: Geometry Chapter 7

Directions:

To receive full credit you must do the following:

1. Show OR describe each step of your work, even if you did it in your head (“mental math”) or used a calculator,
AND
2. Write an explanation stating the mathematical reason(s) why you chose each of your steps.

Question: Each half of the drawbridge is about 284 feet long as shown.



A. How high does a seagull rise who is on the end of the drawbridge when the angle with measure x is 30 degrees.

B. . How high does a seagull rise who is on the end of the drawbridge when the angle with measure x is 45 degrees.

C. . How high does a seagull rise who is on the end of the drawbridge when the angle with measure x is 60 degrees.