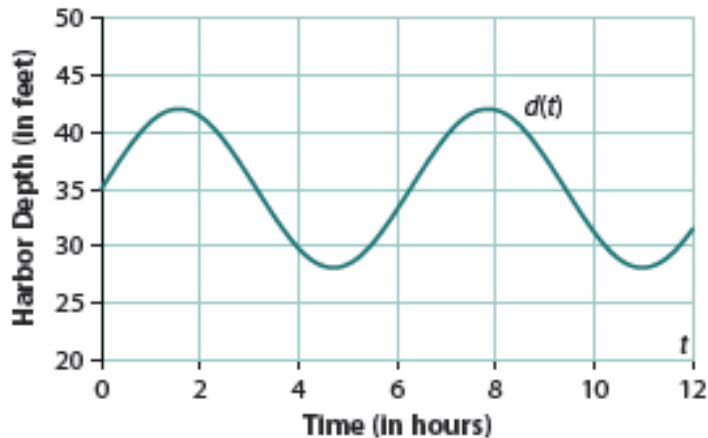


Warm Up

Math 3

The next graph shows the depth of water alongside a ship pier in a tidal ocean harbor between 12 A.M. and 12 P.M. on one day. Suppose that  $d(t)$  gives depth in feet as a function of time in hours.



For each Part a-d:

- Write a question about the water depth that can be answered by the indicated mathematical operation.
- Use the graph to estimate the answer.
- Express your answer in symbolic form, interval notation, and as a number line graph (where appropriate).

a.  $h(2) =$

b.  $h(t) = 40$

c.  $h(t) \geq 40$

d.  $h(t) < 30$