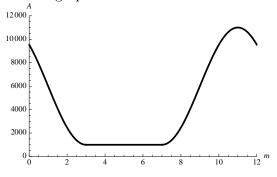
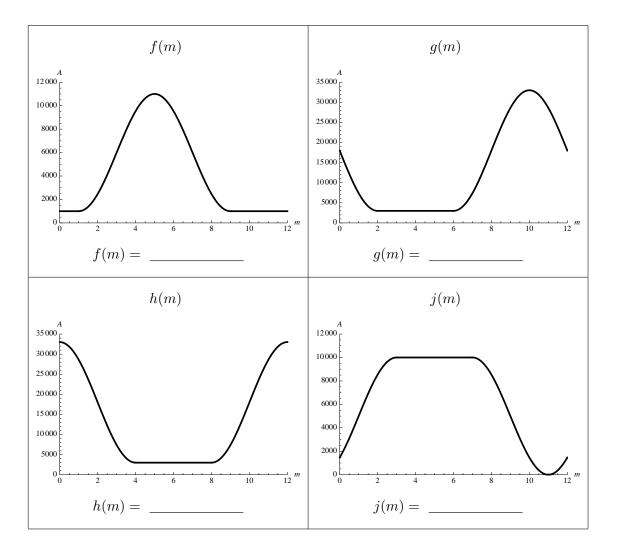
8. [18 points] The figure below gives the graph of a function A = b(m). The function is periodic and a full period is shown on the graph.



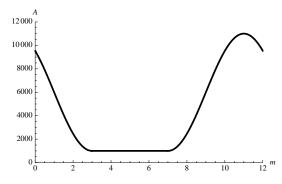
**a**. [8 points] For each of the following graphs, give an expression for the function depicted in terms of the function b.



**b.** [4 points] The function b from the previous page represents the number of bushels of Michigan-grown organic apples, A, available in Michigan grocery stores as a function of the number of months, m, after January 1. The function A = b(m) is repeated below.

Which of the graphs on the *preceding page* could best correspond to the statement:

"In Washington, the apple growing season starts a month earlier, and the peak grocery store supply is three times as much as in Michigan." Explain your answer.



c. [6 points] Using the graph of b(m), repeated above, sketch a well-labeled graph of b'(m). b'

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