

## Quiz 4

Name: \_\_\_\_\_

The total number of times a CPU's internal clock has ticked  $t$  seconds after a computer has booted is given by  $H(t) = 3,000,000,000t$ .

Find a formula for  $H'(t)$  using the definition of the derivative.

Use your formula from part (a) to determine  $H'(60)$ .

What are the units in your answer from part (b)? Explain the meaning of your answer from part (b) in English.