Mathematics 122

Quiz #6   Name:_____

A the beginning of the term a dorm has a population of 100 roaches. This population grows exponentially and doubles every 5 days.

(1) How long until there are 400 roaches.

_____

(2) Find a formula for the number of roaches after t days.

_____

(3) How long before there are a million roaches?

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