

Modeling Growth

Set 7-2b

$$A(t) = A_i(1+r)^t$$

The amount of bacteria in a petri dish is 2,000.
If the population grows by 10% each week...

- 1) *What is the amount in the dish after 1 week?*

- 2) *What is the amount in the dish after 2 weeks?*

- 3) *What is the amount in the dish after 1 year?*

- 4) *What is the domain and what does it mean?*

- 5) *What is the range and what does it mean?*