

The amount of Atmospheric Pollutants $A(t)$ in a certain mountain valley grows naturally and is tripling every 7.5 years.

- a) if the initial amount is 10 pu (pollutants per unit), write a formula for $A(t)$ giving the amount (in pu) present after t years.

- b) What will be the amount of pollutants after 5 years?

- c) If it will be dangerous to stay in the valley when the amount of pollutants reaches 100pu, how long until it will be dangerous to stay in the valley?