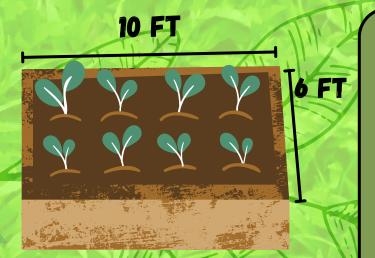
GARDEN EXPANSION



EQUATIONS LENGTH INCREASED BY 2FT EVERY YEAR

$$L(t) = 2t + 10$$

You have a rectangular garden in your backyard, and you decide to expand it. The dimensions of the original garden are 10 feet in length and 6 feet in width. You plan to increase the length of the garden by a fixed amount each year while keeping the width the same.

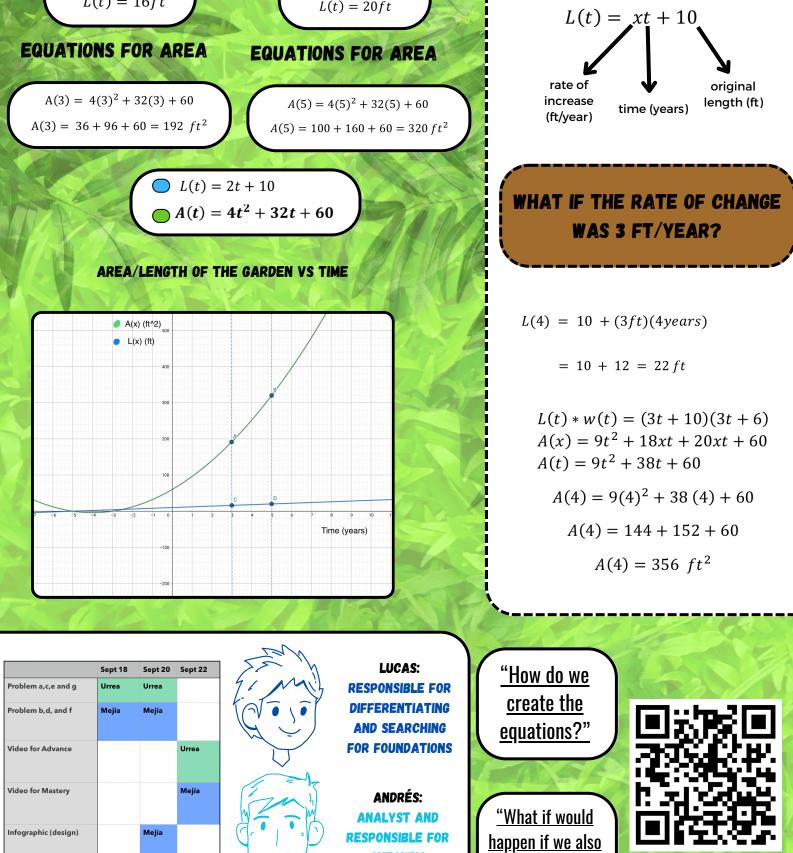
ÁREA IF LENGTH AND WIDTH INCREASED BY 2FT EVERY YEAR

$$A(t) = 4t^2 + 32t + 60$$

PROBLEM

Calculate the **length** and **area** of the garden after 3 years and after 5 years

WHAT IF WE COULD ALTER THE RATE OF CHANGE FOR THE LENGTH?



CHECKING

UNDERSTANDING

Infographic content

Urrea

use the width?"