

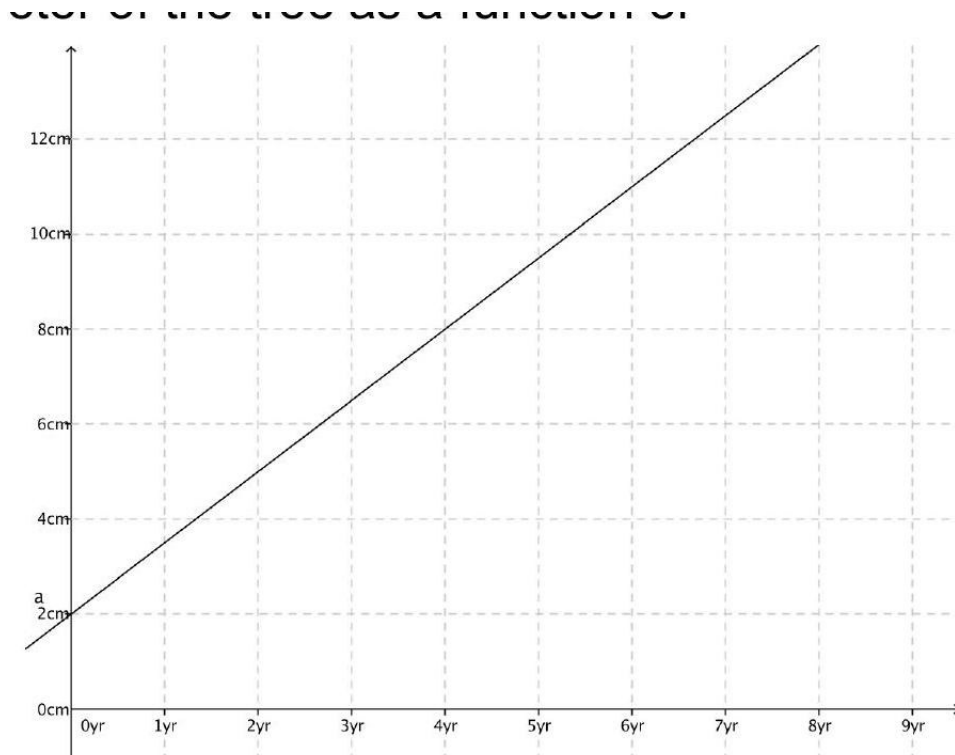
Math 1030 #14c

Linear Modeling

Applications

EX 1:

When your first child is born, you purchase a tree to plant. This graph shows the diameter of the tree as a function of time after you planted it.



- How much does the diameter increase each year?
- When is the diameter 10 cm?
- What was the diameter when you planted the tree?
- When the child is six, what is the diameter of the tree?
- Write an equation of this relationship.

