

Word Problems – Part 1

Name: _____

1. A cable company charges a one-time activation fee of \$100 plus \$50 per month for service.
a) Write an equation that represents the total cost (y) after (x) months of service.

b) What is the total cost after 6 months?

2. You plant a tree in your backyard. It is 3 feet when you plant it and it grows 2 feet per year.
a) Write an equation that represents the height (y) of the tree after (x) years.

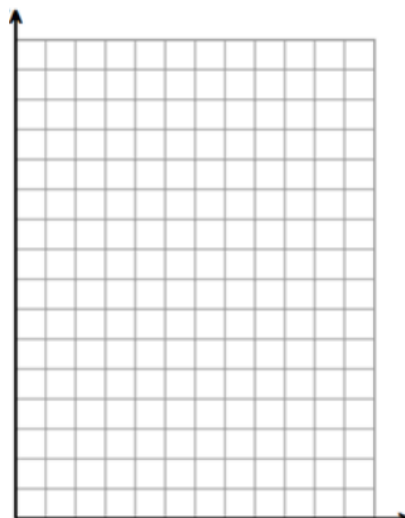
b) How tall will the tree be after 4 years?

3. You decide to start adding \$5 each week to your bank account, which already has some money in it. After 4 weeks you have a total of \$65 in your savings account.

a) Graph. Don't forget to label each axis!!!

b) Equation: _____

c) How much did your account start with?



4. After a laptop is purchased, its value decreases by \$100 each year. After two years, the laptop is worth \$600.

a) Graph. Don't forget to label each axis!!!

b) Equation: _____

c) How much was the laptop originally worth?

