

Chapter 1.1: More Linear Exercises

Calculus I

College of the Atlantic. Fall 2014

1. A quart of fresh Maine blueberries is worth \$4.00. However, its value decreases by fifty cents each day after it's been picked.
 - (a) Complete the table below.
 - (b) Write a formula for the function. State the meaning of every symbol and number in the equation.
 - (c) Solve for the x-intercept. What is the meaning of this number in terms of blueberries.
 - (d) Sketch the function.

Day	Value
0	
1	
2	
3	
4	

2. Determine the equation of a line that passes through the points $(-2, 4)$ and $(3, 14)$.
3. Determine the equation of a line that passes through the points $(-4, 8)$ and $(2, 8)$.