

Math 29
Homework 14

Write a 1-3 sentence summary of what we did in class the previous period.

1. The cost of producing x gadgets is $C(x) = 10x + 100\sqrt{x} + 10,000$. The demand functions for x gadgets is $p(x) = \frac{1000}{\sqrt{x}}$. Determine the marginal cost, marginal revenue, and marginal profit when 100 gadgets are sold.

In Section 8.7, do problems 8, 9, 10, 13, 16, 17; and in Section 8.8, do problem 11. Be sure to show all of the steps of your work.