| Name:   | Math 1030 Quiz #3 (July 16 <sup>th</sup> , 2015  |
|---|--|
| 1. After some research we found that our de In addition, our fixed costs are \$70 and o | mand price function is $p_d(q) = -3q + 125$ (dollars per item) our variable costs are \$7.15 per item.             |
| (a) Revenue: $R(q) =$   | Cost: $C(q) =$   |
| (b) Find both break even points. Roun   | d $q$ to 3 decimal places. $q =$   |
| (c) $MP(25) = $   |  |
| (d) Are we making a profit or losing mor  | ney when we sell a total of 25 items? Profit / Loss  |
|   | MR(30) = \$2. Compute $R(q)$ at the following quantities "Approximate" if the answer is an approximation using the |
| (a) $R(29) =$   | Exact / Approximate  |
| (b) $R(31) =$   | Exact / Approximate  |
| (c) $R(33) =$   | Exact / Approximate  |
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