

MATH 111 – EXAM II Answers
Summer 2013

1. (a) (5 points) $x = 0.94$ and 10.26
(b) (4 points) 27.2
(c) from $x = 5$ to $x = 5.6$
(d) $\frac{f(8+h) - f(8)}{h} = h + 6$
2. (a) (4 points) $TR(q) = -16q^2 + 1000q$, $TC(q) = 26q + 3484$
(b) (5 points) $q = 7.61$ and 53.27
(c) (4 points) \$513 per Trinket
(d) (4 points) $q = 16$ Trinkets
3. 515 Standard Boxes and 0 DeLuxe Boxes