

Math 4428 Homework 2

due February 2, 2007

1. Problem 2.3.
2. Problem 2.4. Additional: plot (by hand or computer) the curve $y = v(x)$ as well as the the one corresponding to (2.28) (or given during the course). You could take $v_{max} = 90$, $x_c = 0.1$ and $x_{max} = 1$.
3. Problem 2.5. You could also plot (by hand or computer) $y = f(x)$ for both models of $v(x)$.