

Math 114 Quiz - Week 10

Please write neatly. You must show your work to receive credit. Draw a box around your final answer.

1. The velocity of an object is $v(t) = \frac{t}{t^2 + 1}$ at time t . Find the average velocity from $t = 1$ to $t = 7$.

2. Find the volume of revolution of the line $y = x + 1$, $0 \leq x \leq 3$ about x -axis using the disk method