

Mathematics 122 Quiz #17

Name: _____

Let a function $w(t)$ be given by the table

t	2	4	6	8
$w(t)$	13.46	9.03	6.05	4.06

1. Approximate the derivative at the points 3, 5, 7.

t	3	5	7
$w'(t)$			

2. Is the second derivative $w''(t)$ positive or negative? Explain your answer.

3. Estimate $w''(4)$

 $w''(4) \approx$ _____