

Quiz #2

Quiz Section: _____

SHOW YOUR WORK

1. (5 points) Use the Midpoint Rule and $n = 4$ to approximate $\int_1^6 \tan \sqrt{x} dx$. Round your answer to four decimal places.

2. (5 points) The speed of a jogger is given below at quarter-second intervals. Give upper and lower estimates of the distance he travels in the first one and a half seconds.

t (sec)	0	0.25	0.5	0.75	1	1.25	1.5
v (ft/sec)	0	5.7	9.3	11.4	10.8	10.6	11.2

Quiz #2

Quiz Section: _____

SHOW YOUR WORK

1. (5 points) Use the Midpoint Rule and $n = 4$ to approximate $\int_1^6 \ln(\tan x) dx$. Round your answer to four decimal places.

2. (5 points) The speed of a jogger is given below at quarter-second intervals. Give upper and lower estimates of the distance he travels in the first one and a half seconds.

t (sec)	0	0.25	0.5	0.75	1	1.25	1.5
v (ft/sec)	0	5.6	9.2	11.5	10.7	10.8	11.3