

Grading rubric: Partner Test (Student Rubric)

	0	1	2	3	4
Components of 1a <ul style="list-style-type: none"> • Computes integral correctly with work/ justification • Correctly interprets meaning of the value in context. 					
Components of 1b <ul style="list-style-type: none"> • Correctly evaluates $c(t)$ • Uses values from $c(t)$ appropriately to compute $TC(t)$ 					
Components of part 1c: <ul style="list-style-type: none"> • Correctly gets values for $H(t)$, with justification • Graph clearly and accurately depicts relationship between t and $H(t)$. 					
Components of part 1d: <ul style="list-style-type: none"> • Gets correct values for $nc(t)$ • Graph clearly and accurately depicts relationship between t and $H(t)$. 					
Components of part 1e: <ul style="list-style-type: none"> • Answers the question posed . • Explains how to arrive at the answer using both graph from part c and graph from part d. 					
Communication / Organization <ul style="list-style-type: none"> • Use of notation / terms is correct and appropriate throughout. • Work is clear, organized, easy to read, and easy to follow. 					
Preparation <ul style="list-style-type: none"> • Duties are shared • Materials are accessible 					

Rubric for teachers (do NOT give to students)

1a. This integral = $((500+700)/2)(1) = 600$. (calls/hour)(hour) = #calls came in during the first hour

- (2) Computes integral correctly. with work/ justification
- (1) Understands Integral = “ new calls that come in”
- (1) Includes “During the first hour.”

1b.

- (1) Correctly gets all of the correct values for $c(t)$
- (2) Using a Clear/ correct method, Uses values from $c(t)$ appropriately to compute $TC(t)$
- (1) Accuracy: all values for $c(t)$ and $TC(t)$ are correct.

1c.

- (1) Correctly evaluates $H(t)$ in the table
- (1) Shows good work for how to get $H(t)$
- (1) Graph accurately depicts relationship between t and $H(t)$
- (1) Axes labeled, units included

1d.

- (1) Computes $nc(t)$ correctly for each value of t .
- (1) Graph accurately depicts relationship between t and $H(t)$.
- (2) Axes labeled, units correct.

1e.

- (1) Identifies the value of t which maximizes # people on hold .
- (1) Identifies how to make this conclusion from the graph in part c.
- (2) Correctly justifies how to use graph in 1d to make same conclusion.

Communication

- (2) Use of notation / terms is correct and appropriate throughout.
- (2) Work is clear, organized, easy to read, and easy to follow.

Collaboration / Use of resources

- (2) Both partners show evidence of contributing to the task in a substantive way.
- (2) Partners show evidence of using existing resources in an effective way.

