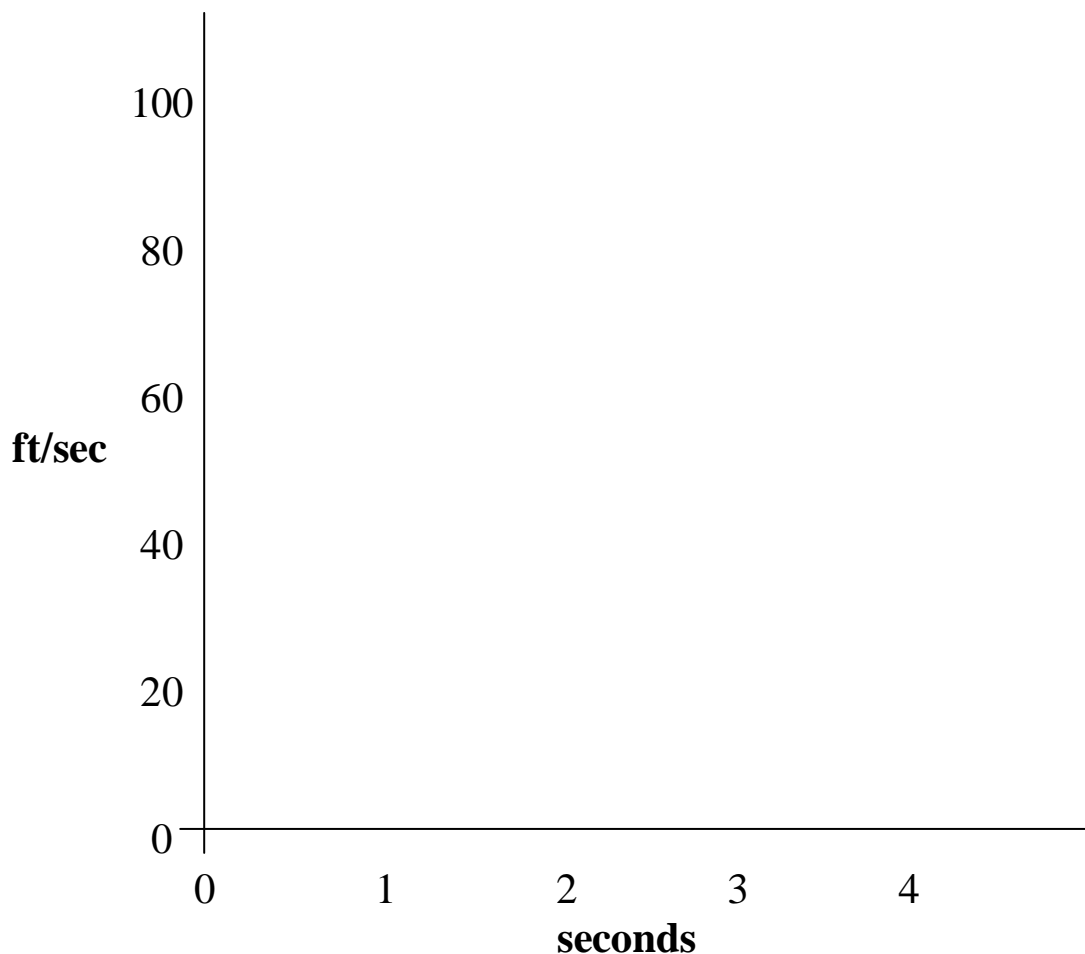


The velocity of a car while stopping is measured at one-second intervals: the results are given in the following table. Graph each as ordered pairs (velocity over time) and connect to create a curve for the velocity function.

Time(sec)	0	1	2	3	4
Velocity(ft/sec)	90	60	35	15	5



Find an estimate for the area under the curve using a left and right endpoint approximation. Label each answer and explain what it represents. Lastly, find the trapezoidal approximation for this region.