

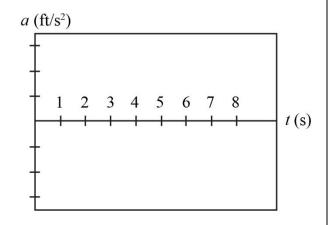
Given:

Find:

Solution:

Draw the acceleration and velocity curves.

There will be two segments of motion.

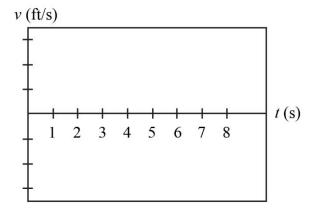


Calculate the change in velocity for the first segment.



Calculate the velocity at t = 5 seconds.

$$v_{t=5} =$$



Using the graphical method, determine the car's braking acceleration.

 $a_{brake} =$