


Acceleration 101 Video Review Notes

1. What is Acceleration? _____

Positive acceleration is _____ Negative acceleration is _____

2. The Acceleration equation is

A = _____  v = _____ v_f = _____
v_i = _____ t = _____ Unit = _____

3. Draw the acceleration equation triangle to the right:

Practice Problem 1 – What is the acceleration of a car that goes from rest to 25 m/s in 5.0s?

A = _____ v_f = _____ v_i = _____ t = _____

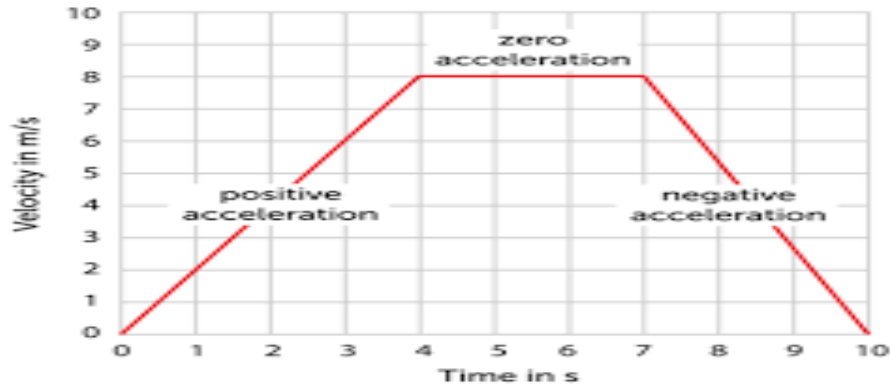
Practice Problem 2 – While walking to school, you approach an intersection and slow down from 2 m/s to a stop in 3s. What was your acceleration during this time interval?

A = _____ v_f = _____ v_i = _____ t = _____

Check for Understanding – As a shuttle bus comes to a normal stop, it slows from 9.00 m/s to 0.00 m/s in 5.00s. Find the average acceleration of the bus.

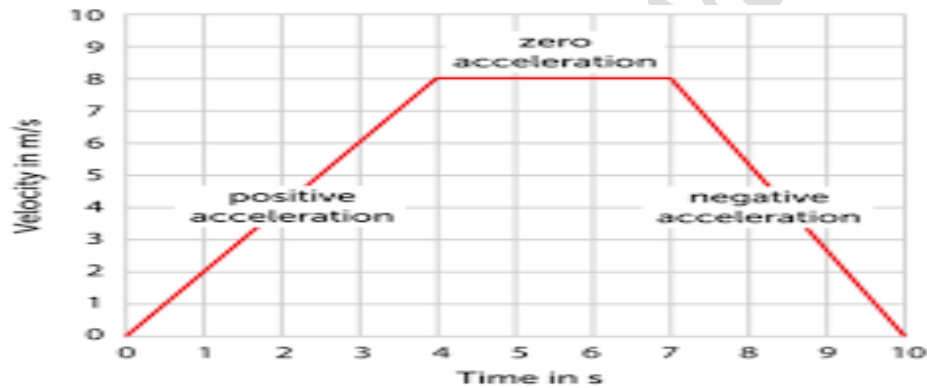
A = _____ v_f = _____ v_i = _____ t = _____

Graph Interpretations



1. At what point is there zero acceleration? _____
2. At what point is there negative acceleration? _____
3. At what point is there positive acceleration? _____

Graph Interpretations – Calculating acceleration (follow and write along with the video on this section)



Write and answer the following questions for your graph in your notebook:

1. What was the amount of acceleration at 4 seconds?
2. What was the amount of acceleration at 7 seconds?
3. How much acceleration was there from 4 seconds to 7 seconds?