Constant Acceleration

	The problem	v vs t graph	Solution
1.	A tiger can accelerate from rest to a speed of 28 m/s in 5.9. s. a) What is the average acceleration of the tiger? b) What distance does it travel in this time?	(+) (s/w) x (-) (t(s)	
2.	At t = 2 s a car has a speed of 30. m/s. After 6.0 s, its speed is 14 m/s. What is its average acceleration during this time interval?	(+) (-) (-)	
3.	Assuming constant acceleration how far does a plane taking off from 30miles/hr travel in 30 seconds to reach a speed of 400 miles/hr?	(+) (-) (-)	
4.	A bus moving at an average deceleration is slowing from 60m/s to 10m/s so that he can pick up a student who is 400 meters away. How long does it take the bus to stop?	(+) (s/m) (-) (t/s)	

