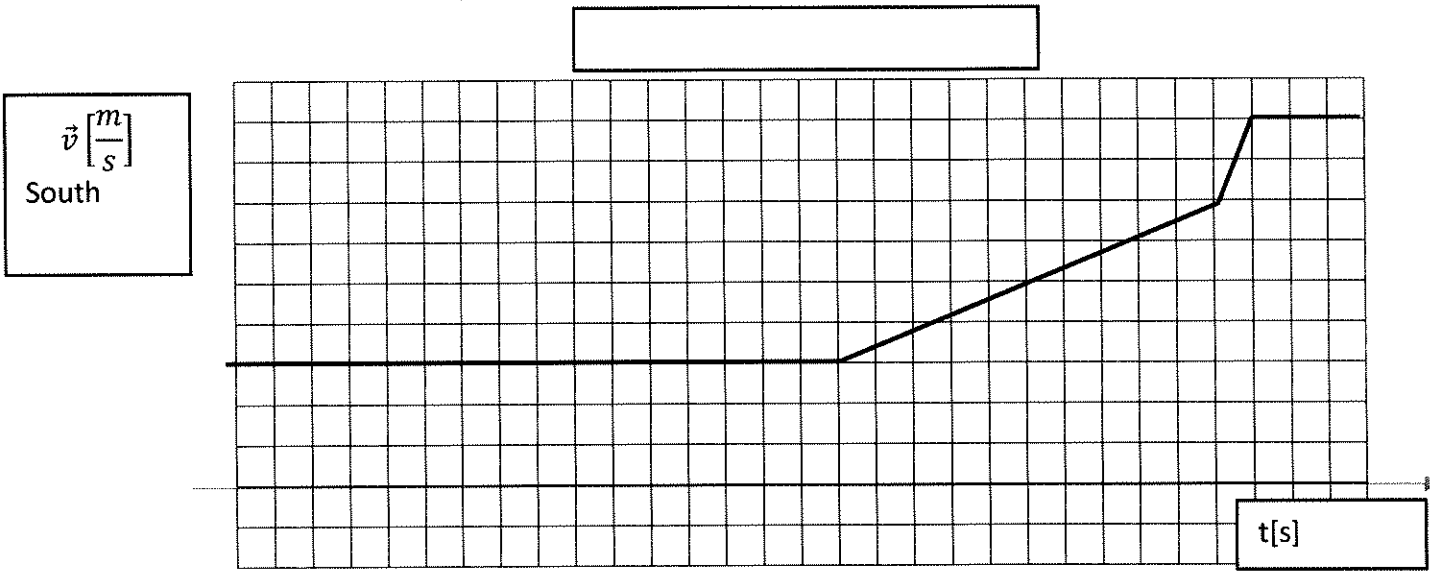
PHYSICS 11 **Name:**_____

VELOCITY/TIME GRAPHS

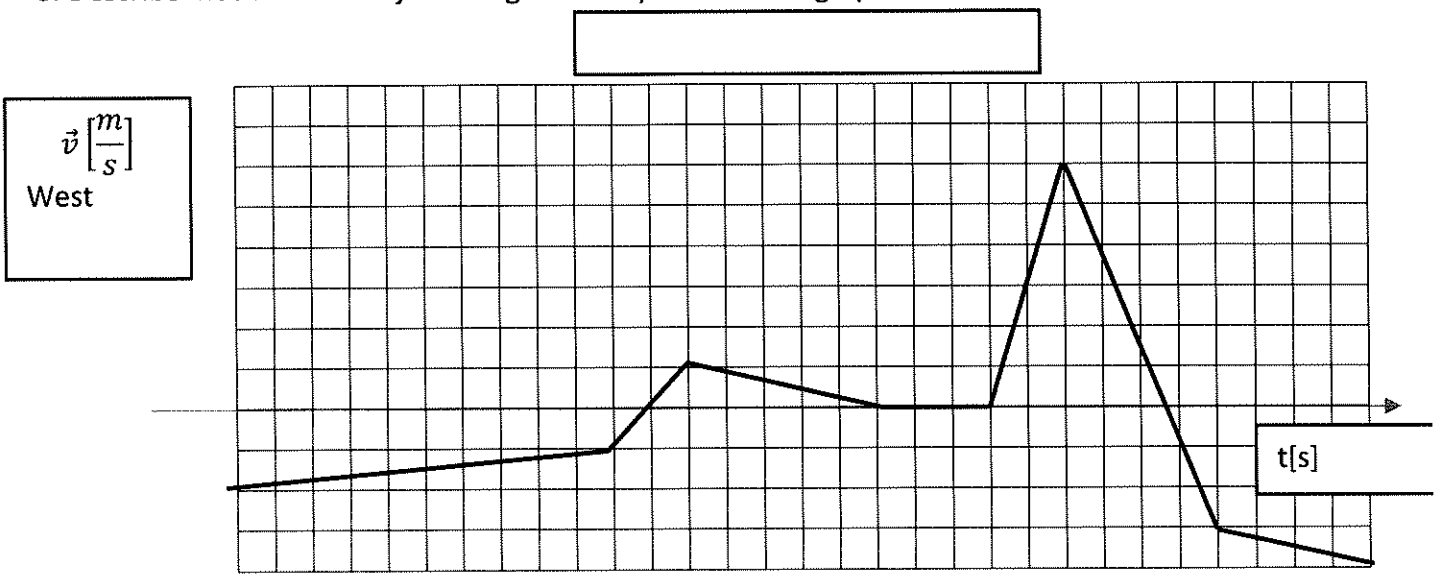
1. Describe motion of an object using a velocity versus time graph.



Time taken		Acceleration	
Initial displacement		Time intervals of uniform motion	
Final displacement		Time intervals of zero acceleration	
Initial velocity		Time intervals (not instants) when the object is at rest	
Final velocity		Instantaneous acceleration at 20s	
Velocity at 10 s		Average acceleration during t=[5,28)s	
Velocity at 23 s		Time interval when the acceleration is greatest.	

2. Calculate the distance travelled by the object over the entire time interval.

3. Describe motion of an object using a velocity versus time graph.



Time taken		Acceleration	
Initial displacement		Time intervals of motion in negative direction	
Final displacement		Time intervals of zero acceleration	
Initial velocity		Time intervals (not instants) when the object is at rest	
Final velocity		Instantaneous acceleration at 20s	
Velocity at 10 s		Average acceleration during t=[5,28)s	
Velocity at 23 s		Time interval when the acceleration is greatest.	

Time intervals of motions in positive direction		Instants when the object is at rest	

4. Calculate the distance travelled by the object over the entire time interval.