

GRAPHS OF MOTION COMPARED

Fill each grid space with an appropriately concise answer.

	displacement–time	velocity–time	acceleration-time
“y” intercept			
slope of tangent positive slope negative slope zero slope			
straight curved			
area under curve			
curves coincide			
stopped when...			
uniform acceleration			

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Fill each grid space with an appropriately concise answer.

	displacement–time	velocity–time	acceleration-time
“y” intercept	initial displacement	initial velocity	initial acceleration
slope of tangent	instantaneous velocity	instantaneous acceleration	–
positive slope	motion in positive direction	acceleration in positive direction	–
negative slope	motion in negative direction	acceleration in negative direction	–
zero slope	not moving	not accelerating	–
straight	constant velocity	constant acceleration	–
curved	changing velocity	changing acceleration	–
area under curve	–	[change in] displacement	[change in] velocity
curves coincide	objects have same displacement	objects have same velocity	objects have same acceleration
stopped when...	horizontal	crosses t -axis	area = – (initial velocity)
uniform acceleration	parabolic	straight	horizontal