Graphical Analysis Review

1) On any question with a graph when not sure how to proceed you should:

find the slope

2) Find the velocity on the graph



3) Find the velocity of the object in the graph below at 2.0 seconds (instantaneous velocity)



Time (s)



4) Find the acceleration on the graph below and the distance travelled.



5) Describe what the object is doing between each point on the graph, include direction



Time (s)

6) State what the object is doing between each point on the graph



7) What is the initial velocity in the previous graph?



8) On the following graph determine the spring constant include a unit calculation. Why is the x intercept not zero?



Tne	slope	repr	resents	the	coef	ficient	of	friction
(M	.) .	I+	has	no	unit	•		