

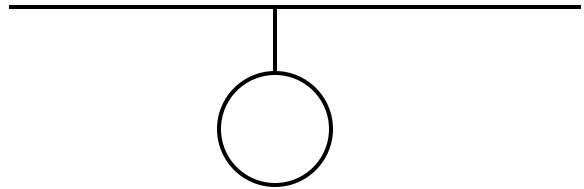
Name:

Period:

1-Dimensional Free Body Diagrams

Draw and label the vectors for the following diagrams.

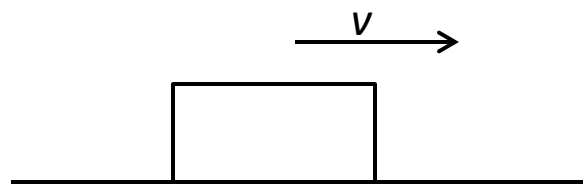
1. A hanging mass suspended by a string:



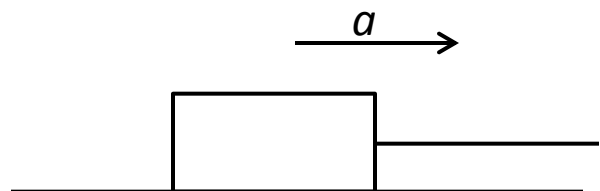
2. A block at rest on a surface:



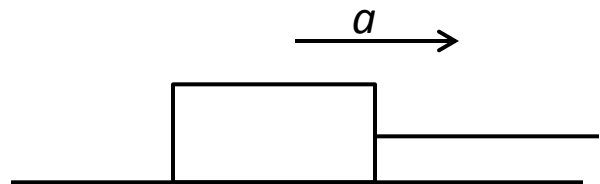
3. A block sliding at constant speed without friction:



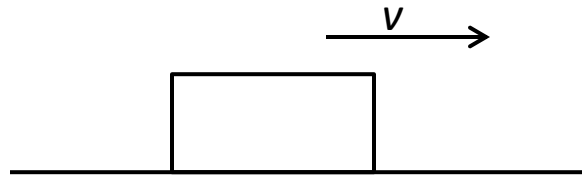
4. A block being accelerated to the right by being pulled with a string- no friction:



5. A block being accelerated to the right by being pulled by a string- with friction:



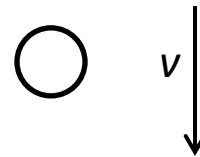
6. A block moving to the right at a constant velocity with friction:



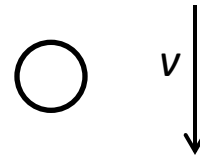
7. A block sliding to a stop due to friction:



8. An object in free fall:



9. An object falling at terminal velocity- the net force on the object is zero:



10. A mass hanging from a spring:

