

Figure A  
Accelerometer  
Straight Line  
Motion

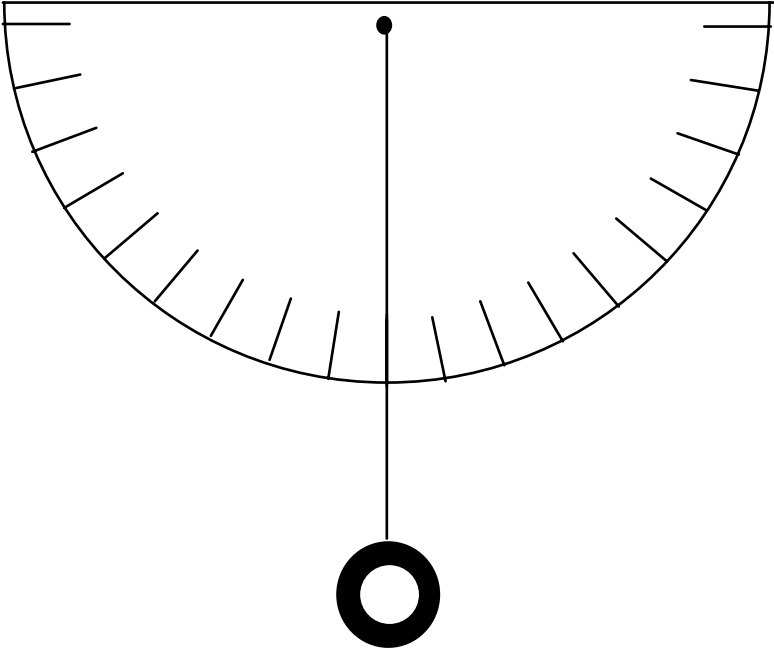
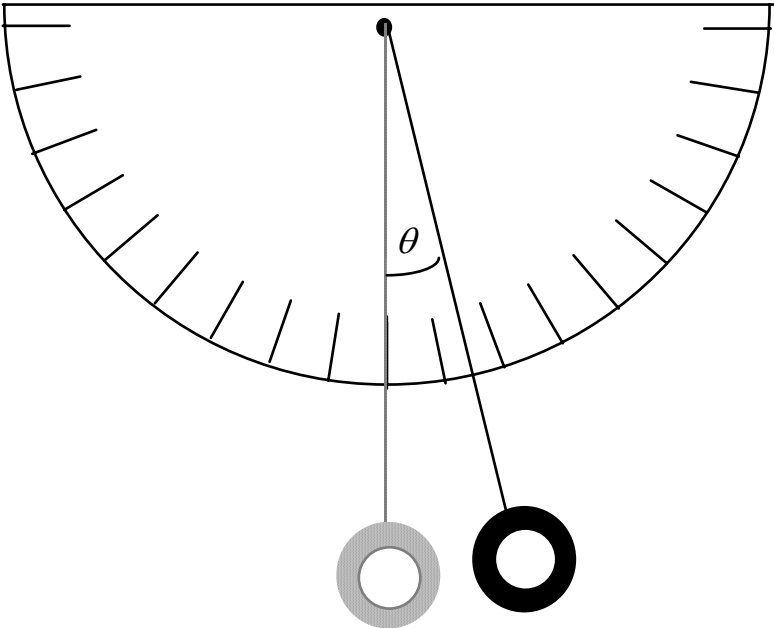


Figure B  
Accelerometer  
Circular  
Motion



# Measuring Acceleration Laboratory Report Rubric

Name \_\_\_\_\_ Date \_\_\_\_\_

Criteria	highest				lowest	not applicable
	5	4	3	2	1	
Procedure used by the student is clearly stated. In particular, the method used to determine the radius of the car's circular path is included in the report.						
All data collected by the student are included.						
Data are well organized and labeled. Units are included.						
Three cases are studied: speeding up on a straight path, slowing down on a straight path and constant speed on a circular path.						
All calculations are shown.						
Results of calculations are presented in an organized fashion.						
Calculations are correct. Results are rounded to the correct number of significant figures. Results include units.						
Acceleration determined using the accelerometer is compared to acceleration determined using speed, time and radius data.						
Appropriate conclusions are stated.						
Sources of experimental error are discussed in the report.						
Grammar and spelling used in the report are correct.						