**Noteguide for "g" force in a Vertical Circle: (Videos 5C1) Name**

Example 0 – A physics teacher twirls a bucket of water in a 1.12 m radius vertical circle. What is the minimum velocity at the top of the circle that will keep the water in the bucket?

Example 1 - A Ferris wheel "pulls" 0.15 "g"s. What "g" force do they feel at the top and bottom?

Example 2 – A rider moving in a 3.75 m radius vertical circle feels 0.80 “g”s inverted at the top of the circle.

A) How many “g”s is the ride pulling?

B) How many “g”s do they feel at the bottom?

Example 3 – On the Rock-O-Plane a rider feels 1.62 "g"s at the bottom of the ride. What is the ride actually pulling, and what "g" force will they feel at the top?