**F = mg Problems**

Use the F = mg formula to solve the following problems.

1. What is the weight or force exerted by an object on Earth’s surface whose mass is 75kg?

2. What is the force on a 1 kg ball that is falling freely due to the pull of gravity?

3. What is the mass of a person who weighs 300N on Earth?

Solve the problems and submit your work as question # in the assessment portion of the unit.