



Practice #1: What is the gravitational potential energy (in J) associated with a 75 kg tourist standing at the top floor of the sears tower in Chicago, with respect to the street 436 m below?

Practice #2: The largest sea turtle found in the United States had a mass of 860 kg. If the gravitational potential energy associated with the turtle as it was being lifted onto a ship was 2.0×10^4 J, how high (in m) above the water was the turtle lifted?

Practice #3: An automobile to be transported by ship is raised 7.0 m above the dock. If the gravitational potential energy associated with the car is 6.6×10^4 J, what is the automobile's mass (in kg)?