Quiz 1.1

1. How many sig figs for:

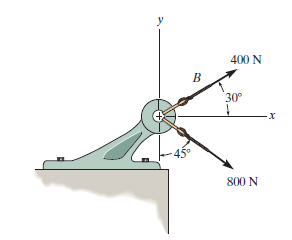
1. 80.1 kg
2. 0.04 kg
3. 240 Mg
4. What is the **weight** of each of the objects listed in question #1 above?

a)

b)

c)

1. What is the **mass** of 165 pounds?
2. Convert the following and express the result to three significant figures.
   1. 200 lb·ft to N·m
   2. 350 lb/ft3 to kN/m3
   3. 8 ft/h to mm/s
3. What do vectors A and B add to? What is the angle of this new added-together vector from the positive x-axis?



A