HOMEWORK

Consider H as the random variable representing the height of a bottle produced by COCA-COLA in Atlanta. H is Gaussian with mean=20 cm and standard deviation=0.15 cm. If COCA-COLA produces 100,000 of bottles in 1 month, how many bottles will have an height greater than 20.5 cm ?
Use both tables and the error function in matlab. Show all the calculations.
Hint 1: You need to compute Pr[H>20.5 cm].
Hint 2: Remember from class that Pr[-z<Z<z]=erf(z/sqrt(2)) where Z is a normal variable.

P.S. It is in your interest doing this homework ….. I can call you at the board or ask you questions in class.