MAT 223, Discussion Questions 11.11

1. How would you describe the difference between a normal distribution and a Student t-distribution?

   Student t → always centered at zero
   → depends on sample size
   → bigger tails

2. What additional information is needed for a t-distribution?

   Sample size

3. What are some circumstances when we would use the t-distribution instead of the standard normal distribution?

   Small sample sizes
   population standard deviation is not known

4. Comment on the article at http://www.jamaicaobserver.com/columns/Making-mathematics-teaching-and-learning-meaningful_19221685.