

## AP Stats – Warm-up

The psychology dept at a university finds that the scores of its applicants on the GRE are approximately normal with a mean of 544 and a standard deviation of 103.

1. Find the probability that an applicant's score is less than 500.
2. Find the probability that an applicant is between 500 and 700.
3. What minimum score would a student need in order to score better than 75% of those taking the test?

The university took a sample of 20 applicants and found the mean GRE score to be 583.  
Identify the following:

Population:

Sample:

Parameter:

Statistic: