Math 107-03 15 Name_____ Date _____

Show all work for full credit. Use the z-score table!

Assume men's height are normally distributed with mean 69.2 inches and std dev 2.7 inches. Sketch an appropriate labeled normal curve and use the table to help with these:

1. (25 pts) What percentage of men are over 71 inches tall?

2. (25 pts) What percentage of men are between 66 and 68 inches tall?

3. (25 pts) What height corresponds to the 25th percentile?

4. (25 pts) What height corresponds to the 56th percentile?