

Quiz #5

Math 112-H

November 4, 2002

Give all answers to at least two decimal places after the decimal point.

Questions:

1. Assume that the heights of Elon students are normally distributed with a mean of 66 inches and a standard deviation of 3.2 inches. What proportion of Elon students would be less than 65 inches in height?

Answers:

1. $\text{normal.cdf}(-1E99, 65, 66, 3.2) = 0.3773 = 37.73\%$.