Normal Distribution #3

A large group of students took a test in physics and the final grades have a mean of 70 and a standard deviation of 10. If we can approximate the distribution of these grades by a normal distribution, what percent of the students
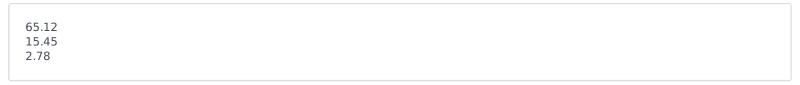
a) scored higher than 80?

b) should pass the test (grades≥60)?

c) should fail the test (grades<60)?

Submission Modes and Output Format

You may submit either an R or Python program to accomplish the above task or solve the problem on pen-and-paper. Your output should be three floating point/decimal numbers separated by a line, correct to 2 places of decimal.

1. In the text box below, enter three floating point/decimal numbers, correct to 2 places of decimal.

2. Alternatively, you may submit an R program, which uses the above parameters (hard-coded) and computes the answer.

Your answer should resemble something like:

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65.12
15.45
2.78
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(This is **NOT** the answer, just a demonstration of what the answering format should resemble).