

Homework Solutions

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Exercise 18

- (a) Enter `normalcdf(-E99,10,11.4,1.8)` and get 0.2183. Since one cannot spend less than 0 minutes in the shower, you could enter `normalcdf(0,10,11.4,1.8)`, but you will get the same answer.
- (b) Enter `invNorm(.25,11.4,1.8)` and get 10.18 minutes.
- (c) The slowest ones are the ones who take the longest time. So this would be the 95th percentile of the distribution. Enter `invNorm(.95,11.4,1.8)` and get 14.36 minutes.