Homework Solutions
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Exercise 19

(a) It is asking for a proportion (area), given the value 3 of the variable, so we should use `normalcdf`. The answer is given by `normalcdf(3,E99,3.25,.5)` $= 0.6915$.

(b) Now they give us the proportion (20%) and ask for the value of the variable (life of the terminal). So we need to use `invNorm`. The 20% figure refers to the lowest 20%, so we want the 20th percentile. The answer is given by `invNorm(.20,3.25,.5)` $= 2.829$ years.