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Chapter 1-3 Exercises

1.132

Code:

tonya=pnorm(1820,1509,321)



Jermaine=pnorm(29,21.5,5.4)

Answer:

tonya = 0.834 = 83.4%

Jermaine = 0.918 = 91.8%

Jermaine has the higher score.

1.134

Code:

Josesat=pnorm(2080,1509,321)

joseact=qnorm(0.962365,21.5,5.4)

Answer:

joseSAT = 0.962365 = 96.2%

joseACT = 31.1056 ACT Score

1.136

Code:

maria=pnorm(2090,1509,321)

Answer:

maria = 0.9648497

maria\*100 = 96.5%

1.138

Code:

Top10=qnorm(0.9,1509,321)

Answer:

Top10 = 1920.378 SAT Score

1.140

Code:

quartile25=qnorm(0.25,21.5,5.4)

quartile75=qnorm(0.75,21.5,5.4)

Answer:

quartile25 = 17.85776 ACT Score

quartile75 = 25.14224 ACT Score