

Normal Distribution.

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Select RUN mode from the main menu by using the arrow keys to highlight the RUN icon or pressing 1.



OPTN key



F3 key



F6 key



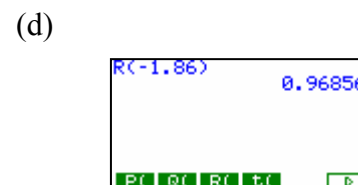
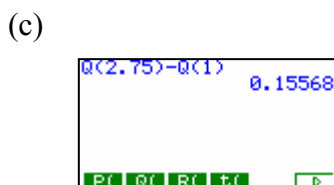
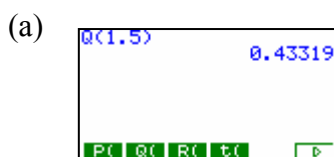
F6 key



Note: P(calculates the Normal Distribution probabilities from the LEFT tail.
 Q(calculates the Normal Distribution probabilities from the MEAN (μ) = 0.
 R(calculates the Normal Distribution probabilities from the RIGHT tail.

- Example:**
- (a) Calculate Prob($0 < Z < 1.5$)
 - (b) Calculate Prob($Z < -2.5$)
 - (c) Calculate Prob($1 < Z < 2.75$)
 - (d) Calculate Prob($Z > -1.86$)

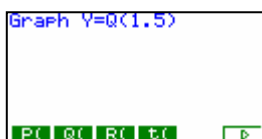
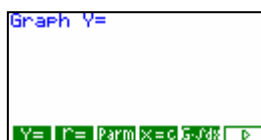
Answer:



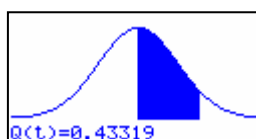
To get the Normal Distribution graph drawn and the probability, then **Graph Y = P(**, **Graph Y = Q(** (or **Graph Y = R(** has to be called up on the calculator screen.

Example: Sketch and find the probability Prob($0 < Z < 1.5$)

Shift F4 F5 F1 gives,
 on the screen. Then repeat
 the example above for Q(



EXE



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