

To Find Poisson Probabilities

Use these functions instead of using the Poisson Table
(or the formulas)

**On the TI-83 use the function poissonpdf(
On the TI-86 use the function pspdf(**

Where are the functions on the calculator?

- **To access the functions on the TI-83, press 2nd DISTR then B:poissonpdf(**
- **To access the functions on the TI-86, press 2nd MATH MORE then select STAT and then DIST then press MORE then select pspdf(**

Example problem
shown at right:
For $\lambda = 4$, $X = 5$, find
the probability of 5
arrivals in the next
unit of time.

TI-83 2nd DISTR select B:poissonpdf(
Then enter 4,5)
Press ENTER
Poissonpdf(4,5)
.1562934519

TI-86 2nd MATH MORE
STAT DISTR MORE pspdf
Then enter 4,5)
Press ENTER

PSPdf(4,5)
.156293451851

TESTS DISTR DRAW FUNC Uninst
binpdf exppdf probdf Regpdf Recdf

NOTE: On the TI-86,
you must install the
STAT package to run
these. Ask your
instructor.