

Page 514 Example 14

Solutions to a Poisson problem

TI-84 Plus

```
EQUATION SOLVER
eqn: 0=PoissonPdf
(M,0)-0.2
```

```
PoissonPdf(M,)=0
M=1.6094379124...
bound=(-1E99,1...
left-rt=0
```

```
Poissoncdf(M,4)
.9757937101
sum(seq(PoissonP
df(M,X),X,0,4,1)
)
.9757937101
```

Casio fx-9860GII

```
Eq:PoissonPD(0,M)-0.2
M=1.609437912
Lft=0
Rgt=0
```

REPT

```
Eq:PoissonPD(0,M)-0.2
M=1.609437912
Lft=0
Rgt=0
```

REPT

```
Poisson C.D
P=0.97579371
```

The Poisson PDF function cannot be used in a sequence on the Casio in this way.