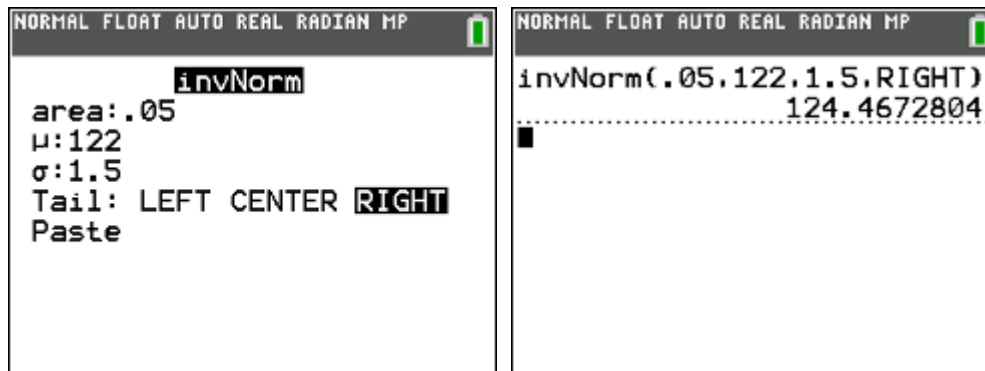


TI-84C Screenshots
AP Statistics Review Using TI Technology

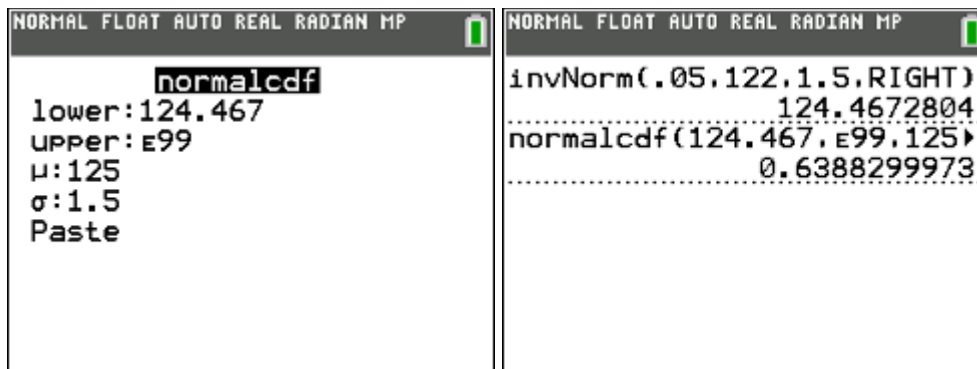
2018 Question 6 a b c d

Part a Answer in Power Point

Part b 2nd Dist 3:Inv Norm



Part c 2nd Dist Normalcdf



Part d Answer in Power Point

2018 Question 4 b

2-sample t-test for difference between means

STAT Tests 4: 2 Sample t-test

NORMAL FLOAT AUTO REAL Radian MP

2-SampTTest

↑Sx1:34
n1:110
x̄2:186
Sx2:29
n2:100
μ1:≠μ2 <μ2 >μ2
Pooled:☒ No Yes
Color:☒ BLUE
Calculate Draw

NORMAL FLOAT AUTO REAL Radian MP

2-SampTTest

μ1>μ2
t=7.12707882
P=8.357990531E-12
df=207.1790942
x̄1=217
x̄2=186
Sx1=34
↓Sx2=29

n1=110 n2=100

2017 Question 2 a b

Part a

STAT Tests A:1 proportion z interval

The first screenshot shows the **TESTS** menu with the following options: 4↑2-SampTTest..., 5:1-PropZTest..., 6:2-PropZTest..., 7:ZInterval..., 8:TInterval..., 9:2-SampZInt..., 0:2-SampTInt..., **1-PropZInt...**, and B↓2-PropZInt... The second screenshot shows the **1-PropZInt** screen with the following input values: x:23, n:80, C-Level:0.95, and the **Calculate** button. The third screenshot shows the results of the 1-PropZInt calculation: (0.18832, 0.38668), $\hat{p}=0.2875$, and n=80.

Part b

VARS 5:Statistics H:lower I:upper

The screenshot shows the **lower** and **upper** bounds of a confidence interval being calculated. The results are displayed as follows: lower = 0.1883222031, upper = 0.3866777969. The calculations are shown as $\text{Ans} \times 3000 \times .25$ for the lower bound and $\text{Ans} \times 3000 \times .25$ for the upper bound.

2017 Question 5

2nd Matrix Edit [A]

NORMAL FLOAT AUTO REAL RADIAN MP				
MATRIX[A] 2 × 4				
[46	40	21	12]
[53	23	9	3]
[A](1,1)= 46				

NORMAL FLOAT AUTO REAL RADIAN MP				
[A]				
	46	40	21	12
	53	23	9	3

STAT TEST C: Chi-square Test

NORMAL FLOAT AUTO REAL RADIAN MP				
EDIT CALC TESTS				
0↑2-SampTInt...				
A:1-PropZInt...				
B:2-PropZInt...				
C:χ ² -Test...				
D:χ ² GOF-Test...				
E:2-SampFTest...				
F:LinRegTTest...				
G:LinRegTInt...				
H:ANOVA(

NORMAL FLOAT AUTO REAL RADIAN MP				
χ ² -Test				
Observed:[A]				
Expected:[B]				
Color: BLUE				
Calculate Draw				

NORMAL FLOAT AUTO REAL RADIAN MP				
χ ² -Test				
χ ² =10.8838373				
p=0.0123708841				
df=3				

Reject H₀ at alpha = 0.05

NORMAL FIX4 AUTO REAL RADIAN MP				
[B]				
[56.9130	36.2174	17.2464	8]
[42.0870	26.7826	12.7536	5]

NORMAL FIX4 AUTO REAL RADIAN MP				
[B]				
30	36.2174	17.2464	8.6232]
70	26.7826	12.7536	6.3768]

2017 Question 3

Part a

