TI−82 Programm DREIECK

```
Disp
"RECHTW.DREIECK","BERECHNEN"
randInt(1,4)==>T
randInt(1,3)==>Z

If T=1
Then
randInt(1,9)==>A
randInt(1,9)==>B
Disp "A=",A,"B=",B
If Z=1
Then
Repeat C=√(A²+B²)
Prompt C
C=√(A²+B²)==>X
prgmTEST
End
End


If Z=2
Then
Repeat C=tan⁻¹ (A/B)
Input "ALPHA=",C
C=tan⁻¹(A/B)==>X
prgmTEST
End
End


If Z=3
Then
Repeat C=tan⁻¹(B/A)
Input "BETA=",C
C=tan⁻¹(B/A)==>X
prgmTEST
End
End
End


If T=2
Then
randInt(1,10)==>C
randInt(11,85)==>W
Disp "C=",C,"ALPHA=",W
If Z=1
Then
Repeat A=C*sin(W)
Prompt A
A=C*sin(W)==>X
prgmTEST
End
```

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End
If Z=2
Then
Repeat B=cos(W)*C
Prompt B
B=cos(W)*C==>X
prgmTEST
End
End
If Z=3
Then
Repeat V=90-W
Input "BETA=",V
V=90-W==>X
prgmTEST
End
End
End
If T=3
Then
randInt(11,22)==>A
randInt(25,88)==>W
Disp "A=",A,"BETA=",W
If Z=1
Then
Repeat V=90-W
Input "ALPHA=",V
V=90-W==>X
prgmTEST
End
End
If Z=2
Then
Repeat C=A/cos(W)
Prompt C
C=A/cos(W)==>X
prgmTEST
End
End
If Z=3
Then
Repeat B=A/tan(W)
Prompt B
B=A/tan(W)==>X
prgmTEST
End
End
End


If T=4
Then
randInt(1,9)==>A
randInt(10,19)==>C
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```
Disp "A=",A,"C=",C
If Z=1
Then
Repeat B=√(C²-A²)
Prompt B
B=√(C²-A²)==>X
prgmTEST
End
End
If Z=2
Then
Repeat W=sin⁻¹(A/C)
Input "ALPHA=",W
W=sin⁻¹(A/C)==>X
prgmTEST
End
End
If Z=3
Then
Repeat W=cos⁻¹(A/C)
Input "BETA=",W
W=cos⁻¹(A/C)==>X
prgmTEST
End
End
End
```

das Programm braucht auch:

Programm TEST

```
If X
Then
Disp "RICHTIG!"
Else
Disp "FALSCH!"
Return
```