

ClrHome
Menu("WHAT YOU GOT?", "STANDARD", 1, "VERTEX", 2, "INTERCEPT", 3)

Lbl 1
Prompt A
Prompt B
Prompt C
 $-B/(2A) \rightarrow H$
 $(B^2/(4A)) - (B^2/(2A)) + C \rightarrow K$
ClrHome
Output(5, 7, "H=")
Output(5, 09, H)
Output(6, 7, "K=")
Output(6, 09, K)

If $B^2 - 4AC < 0$
Then
Goto 6
End
 $(-B + \sqrt{B^2 - 4AC}) / (2A) \rightarrow P$
 $(-B - \sqrt{B^2 - 4AC}) / (2A) \rightarrow Q$
Output(7, 7, "P=")
Output(7, 09, P)
Output(8, 7, "Q=")
Output(8, 09, Q)

Lbl 5
Output(2, 7, "A=")
Output(2, 09, A)
Output(3, 7, "B=")
Output(3, 09, B)
Output(4, 7, "C=")
Output(4, 09, C)
Goto 4

Lbl 2
Prompt A
Prompt H
Prompt K
 $-2AH \rightarrow B$
 $AH^2 + K \rightarrow C$
ClrHome
Output(2, 7, "A=")
Output(2, 9, A)
Output(3, 7, "B=")
Output(3, 9, B)
Output(4, 7, "C=")
Output(4, 9, C)

If $B^2 - 4AC < 0$
Then
Goto 9
End
 $(-B + \sqrt{B^2 - 4AC}) / (2A) \rightarrow P$
 $(-B - \sqrt{B^2 - 4AC}) / (2A) \rightarrow Q$
Output(7, 7, "P=")
Output(7, 9, P)
Output(8, 7, "Q=")

Output(8,9,Q)

Lb1 8

Output(5,7,"H=")

Output(5,9,H)

Output(6,7,"K=")

Output(6,9,K)

Goto 4

Lb1 3

Prompt A

Prompt P

Prompt Q

$\neg A(P+Q) \rightarrow B$

$APQ \rightarrow C$

$(P+Q)/2 \rightarrow H$

$(\neg A(P-Q)^2)/4 \rightarrow K$

ClrHome

Output(1,7,"A=")

Output(1,9,A)

Output(2,7,"B=")

Output(2,9,B)

Output(3,7,"C=")

Output(3,9,C)

Output(4,7,"H=")

Output(4,9,H)

Output(5,7,"K=")

Output(5,9,K)

Output(6,7,"P=")

Output(6,9,P)

Output(7,7,"Q=")

Output(7,9,Q)

Goto 4

Lb1 4

Stop

Lb1 9

Output(8,1,"NO P or Q TODAY!")

Goto 8

Lb1 6

Output(8,1,"NO P and Q")

Goto 5