WINNIE THE POOH IN THE HUNDRED ACRE WOOD

APPLE COMPUTER CHALLENGE ACTIVITY 1 — Disney Visual Map

Name _____ Date _____

There is a map on the screen. Where you are is represented by a red box, where you want to go is indicated by a yellow X. The computer challenges you to type in N, S, E or W to move North, South, East or West and get to the yellow X.

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10   DIM I(13,2),N(13),S(13),E(13),W(13)
20   GR : HOME : COLOR= 7: HLIN 10,39 AT 6: HLIN 0,28 AT 18: HLIN 10,39 AT
     30
30   VLIN 0,30 AT 10: VLIN 18,39 AT 18: VLIN 6,30 AT 28
40   FOR J = 1 TO 13: READ I(J,1),I(J,2),N(J),S(J),E(J),W(J): NEXT J
50 P =    INT ( RND (1) * 13) + 1:G =    INT ( RND (1) * 13) + 1: IF P = G THEN
      GOTO 50
60   COLOR= 1: PLOT I(P,1),I(P,2): COLOR= 13
65   FOR J =  - 1 TO 1: PLOT I(G,1) + J,I(G,2) + J: PLOT I(G,1) + J,I(G,2) -
     J: NEXT J
70   PRINT "YOU ARE THE RED BOX.": PRINT "X MARKS THE SPOT YOU WANT TO GET
     TO."
80   PRINT "TYPE N, S, E, OR W TO MOVE, THEN RETURN"
90   INPUT A$:R = W(P): IF A$ = "N" THEN R = N(P)
100   IF A$ = "S" THEN R = S(P)
110   IF A$ = "E" THEN R = E(P)
120   IF R = 0 THEN  PRINT "YOU CANNOT GO THAT WAY": FOR Z = 1 TO 1500: NEXT
      Z: GOTO 70
130   COLOR= 7: PLOT I(P,1),I(P,2): COLOR= 1: PLOT I(R,1),I(R,2)
140 P = R: IF P < > G THEN  GOTO 70
150   PRINT "YOU ARRIVED! YOU ARE A GOOD MAP READER!"
160   RESTORE : FOR J = 1 TO 3000: NEXT J: GOTO 20
170   DATA  10,6,9,3,2,0,28,6,0,5,10,1,10,18,1,6,4,11,18,18,0,7,5,3
180   DATA  28,18,2,8,0,4,10,30,3,0,7,0,18,30,4,13,8,6,28,30,5,0,12,7,10,1,
      0
190   DATA  1,0,0,38,6,0,0,0,2,1,18,0,0,3,0,38,30,0,0,0,8,18,38,7,0,0,0
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WINNIE THE POOH IN THE HUNDRED ACRE WOOD

APPLE COMPUTER CHALLENGE ACTIVITY 2 — Disney Blind Map

Name _____ Date _____

Pooh has lost his honey. The computer challenges you to help find it. Type in N, S, E or W to go North, South, East or West. The computer will tell you if you are getting closer or farther away.

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10 W =   INT ( RND (1) * 9) + 2:H =   INT ( RND (1) * 9) + 2
20 X = 5:Y = 5:D =   ABS (W - X):E =   ABS (H - Y)
30   HOME : PRINT "HELP POOH FIND HIS MISSING HONEY"
40   PRINT : PRINT "TYPE THE DIRECTION HE SHOULD WALK,": PRINT
50   PRINT "  N, S, E, OR W, THEN HIT RETURN."
60   PRINT
80   INPUT A$: IF A$ = "N" THEN Y = Y + 1: GOTO 120
90   IF A$ = "S" THEN Y = Y - 1: GOTO 120
100   IF A$ = "E" THEN X = X + 1: GOTO 120
110   IF A$ = "W" THEN X = X - 1: GOTO 120
115   PRINT "PLEASE ENTER A DIRECTION: N, S, E, W": GOTO 60
120 O = D:P = E:D =   ABS (W - X):E =   ABS (H - Y)
130   IF D = 0 AND E = 0 THEN  GOTO 170
140   IF (D = 0 AND E = P) OR (E = 0 AND D = O) THEN  PRINT "YOU ARE VERY C
      LOSE!": GOTO 60
150   IF D < O OR E < P THEN  PRINT "YOU ARE GETTING CLOSER!": GOTO 60
160   IF D > O OR E > P THEN  PRINT "YOU ARE GETTING FARTHER AWAY!": GOTO 6
      0
170   PRINT "YOU FOUND IT!": FOR I = 1 TO 3000: NEXT I: GOTO 10
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