#### MICKEY'S SPACE ADVENTURE

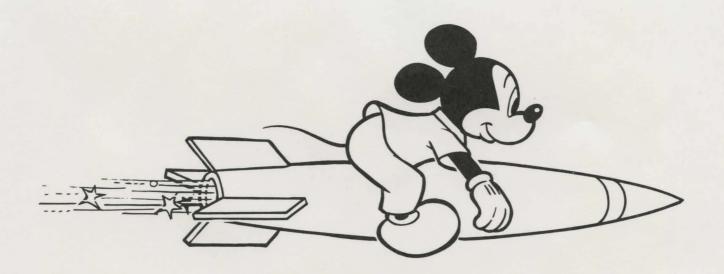
NAME

#### APPLE COMPUTER CHALLENGE ACTIVITY 1

Our solar system is a very large place! Enter this program. Then "travel" to the planets. How long would it take you to get to each planet?

10 RANGE = 0
20 PRINT: PRINT: PRINT "WHICH PLANET DO YOU WANT TO TRAVEL TO?"
30 INPUT PLANET\$
40 IF PL\$ = "MERCURY" THEN RANGE = 46500000
50 IF PL\$ = "VENUS" THEN RANGE = 23250000
60 IF PL\$ = "MARS" THEN RANGE = 46530000
70 IF PL\$ = "JUPITER" THEN RANGE = 372000000
80 IF PL\$ = "SATURN" THEN RANGE = 837000000

90 IF PL\$ = "URANUS" THEN RANGE = 1674000000
100 IF PL\$ = "NEPTUNE" THEN RANGE = 2697000000
110 IF PL\$ = "PLUTO" THEN RANGE = 2627250000
120 IF RANGE = 0 THEN 10
130 PRINT : PRINT "HOW FAST DO YOU WANT TO TRAVEL?"
140 PRINT : INPUT " (IN MILES PER HOUR) ->";MPH
150 TIME = INT (RANGE / MPH): IF TIME > 72 THEN TIME\$ = "DAYS":TIME = INT (TIME / 24): GOTO 170
160 TIME\$ = " HOURS"
170 PRINT : PRINT "AT A SPEED OF ";MPH;" MILES AN HOUR, IT"
180 PRINT : PRINT "WOULD TAKE YOU MORE THAN ";TIME;TIME\$
190 PRINT : PRINT "TO REACH ";PL\$;".": GOTO 10



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# APPLE COMPUTER CHALLENGE ACTIVITY 2

NAME	DATE
Because the force of gravity varies on each planet in ordifferent on each planet. Enter this program. You will seach planet.	
10 WEIGHT = 0 20 PRINT " WHICH PLANET DO YOU WANT TO INPUT PLANET\$ 40 IF PL\$ = "MERCURY" THEN WEIGHT = .35 50 IF PL\$ = "VENUS" THEN WEIGHT = .38 60 IF PL\$ = "MARS" THEN WEIGHT = .38 70 IF PL\$ = "JUPITER" THEN WEIGHT = 2.80 1F PL\$ = "SATURN" THEN WEIGHT = 1.12 90 IF PL\$ = "URANUS" THEN WEIGHT = 1.12 110 IF PL\$ = "URANUS" THEN WEIGHT = .96 110 IF PL\$ = "PLUTO" THEN WEIGHT = .12 120 IF WEIGHT = 0 THEN 10 130 PRINT "HOW MUCH DO YOU WEIGH?" 140 INPUT " (IN POUNDS) ->";LBS 150 WEIGHT = INT (WEIGHT * LBS) 160 PRINT "ON THE PLANET ";PL\$;" YOU WEIGHT;"	37 .65 .4 .5 .53 .2



### **MICKEY'S SPACE ADVENTURE**

### APPLE COMPUTER CHALLENGE ACTIVITY 3

NAME	DATE
Do you know all the compass directions? Enter th	is program. After playing for a while, you will
be an expert!	

- 1'0 TEXT : HCOLOR= 3
- 20 HGR :DIR = INT ( RND (1) \* 9): IF DIR ( 1 THEN 20
- 30 ON DIR GOSUB 80,90,100,110,120,130,140,150
- 40 PRINT "WHAT DIRECTION IS THE COMPASS POINTING?"
- 50 INPUT DIR\$: IF DIR\$ = AN\$ THEN PRINT "THAT'S RIGHT!!": GOTO 70
- 60 PRINT "WRONG, THE COMPASS IS POINTING "; AN\$
- 70 PRINT "PRESS A KEY...": GET G\$: GOTO 20
- 80 HPLOT 135,100 TO 135,50 TO 130,55 TO 140,55 TO 135,50:AN\$ = "NORTH": RETURN
- 90 HPLOT 100,75 TO 160,75 TO 155,70 TO 155,80 TO 160,75:AN\$ = "EAST": RETURN
- 100 HPLOT 135,50 TO 135,100 TO 130,95 TO 140,95 TO 135,100:AN\$ = "SOUTH": RETURN
- 110 HPLOT 160,75 TO 100,75 TO 105,70 TO 105,80 TO 100,75:AN\$ = "WEST": RETURN
- 120 HPLOT 100,100 TO 150,50 TO 145,50 TO 150,55 TO 150,50:AN\$ = "NORTHEAS T": RETURN
- 130 HPLOT 100,50 TO 150,100 TO 145,100 TO 150,95 TO 150,100:AN\$ = "SOUTHE AST": RETURN
- 140 HPLOT 150,50 TO 100,100 TO 100,95 TO 105,100 TO 100,100:AN\$ = "SOUTHW EST": RETURN
- 150 HPLOT 150,100 TO 100,50 TO 100,55 TO 105,50 TO 100,50:AN\$ = "NORTHWES T": RETURN

