

```

100 REM ===== CUBE =====
110 A:
120 INPUT "CUBE ?";Cube
130 GOSUB Equals
140 PRINT "      C U B E      "
150 GOSUB Dashes
160 PRINT "CUBE";Cube
170 IF Cube > 0 GOTO Positive1
180 LET Cube= ABS(Cube)
190 LET flag% = TRUE
200 Positive1:
210 LET Count=10
220 LET Root = 1
230 DO WHILE Count <> 0
240     LET Root = ( ( SQR ( SQR ( Cube * Root ) ) * 4 ) - Root ) / 3
250     LET Count = Count - 1
260 LOOP
270 IF NOT flag% GOTO Positive2
280 LET Root = SGN(Root)
290 LET flag% = FALSE
300 Positive2:
310 PRINT "ROOT";Root
320 GOSUB Equals
330 STOP
340 B:
350 INPUT "ROOT ?";Root
360 LET Cube = Root * Root * Root
370 GOSUB Equals
380 PRINT "      C U B E      "
390 GOSUB Dashes
400 PRINT "ROOT";Root
410 PRINT "CUBE";Cube
420 GOSUB Equals
430 STOP
440 Dashes:
450 PRINT "-----"
460 RETURN
470 Equals:
480 PRINT "===== "
490 RETURN
500 END

```

