

File Name: ESCAPE.8XP Type: Program Protected: No
Comment:Program file 05/21/13, 13:11

```
FnOff
PlotsOff
ClrHome
Disp "*****"
Disp ""
Disp "ESCAPE VELOCITY"
Disp ""
Disp "      BY BEN"
Disp ""
Disp "*****"
Pause
ClrHome
```

6.67384E-11→G

```
Disp "CALCULATE ESCAPE"
Disp "VELOCITY"
Disp ""
Disp "MASS OF BODY(KG)"
Input M
Disp "KM FROM CENTER"
Input R
```

M*1000→M

$\sqrt{(2GM)/R} \rightarrow V$

```
ClrHome
Disp "ESCAPE VELOCITY:"
Disp W
Disp "M/S"
Pause
Stop
```