SH-ABACUS

Turn Bash/Zsh into a calculator by intercepting command_not_found_handle(r).
Uses bc(1) syntax with a couple of replacement macros.
Does not work with the version of bash shipped in OSX.

Usage

```
$ . ./shabacus.sh
$ 1 + 2 + 3
6
# the glob wildcard is collapsed into a multiplication operator
# "Works Almost Every Time(tm)"
$ 16 * 12
192
$ 2982 / 3
994
# using the (integer) modulo operator does not need extra setup
# but cannot be combined with decimal values/variables/math functions
$ 2982 % 13
5
$ 2 ^ 4
16
# hex can be used, but must be UPPERCASE
$ 0x3C + 0xF3
0x12F
$ 0xBAADF00D in dec
3131961357
$ 0b111 + 0b11
0b1010
$ 5 lb in g
2.2675
# Paranthesises will be added when there are no spaces around terms
$ 3+3 / 3
2
$ sin pi/2
1
$ MEANING_OF_LIFE=$(8.4 * 5)
$ echo ${MEANING_OF_LIFE}
42
$ SHABACUS_TRACE=1 1+2
scale=4;obase=10;ibase=10;pi=4*a(1);(1+2)
3
$ SHABACUS_SCALE=64 pi
3.1415926535897932384626433832795028841971693993751058209749445920
```