

Know your calculator!

Syntax ERROR?

Your input is incorrect use
Replay arrows to go back

Does your display
show TRUE/FALSE or
 $f(x)=?$

MODE

1

To turn OFF:

SHIFT

AC

Square root button



Fraction (surd) to
decimal button:

S→D

Made a small mistake?

Use:

DEL

Need to find a
percentage of an
amount? e.g. 32% of 45

32

SHIFT

(

X

45

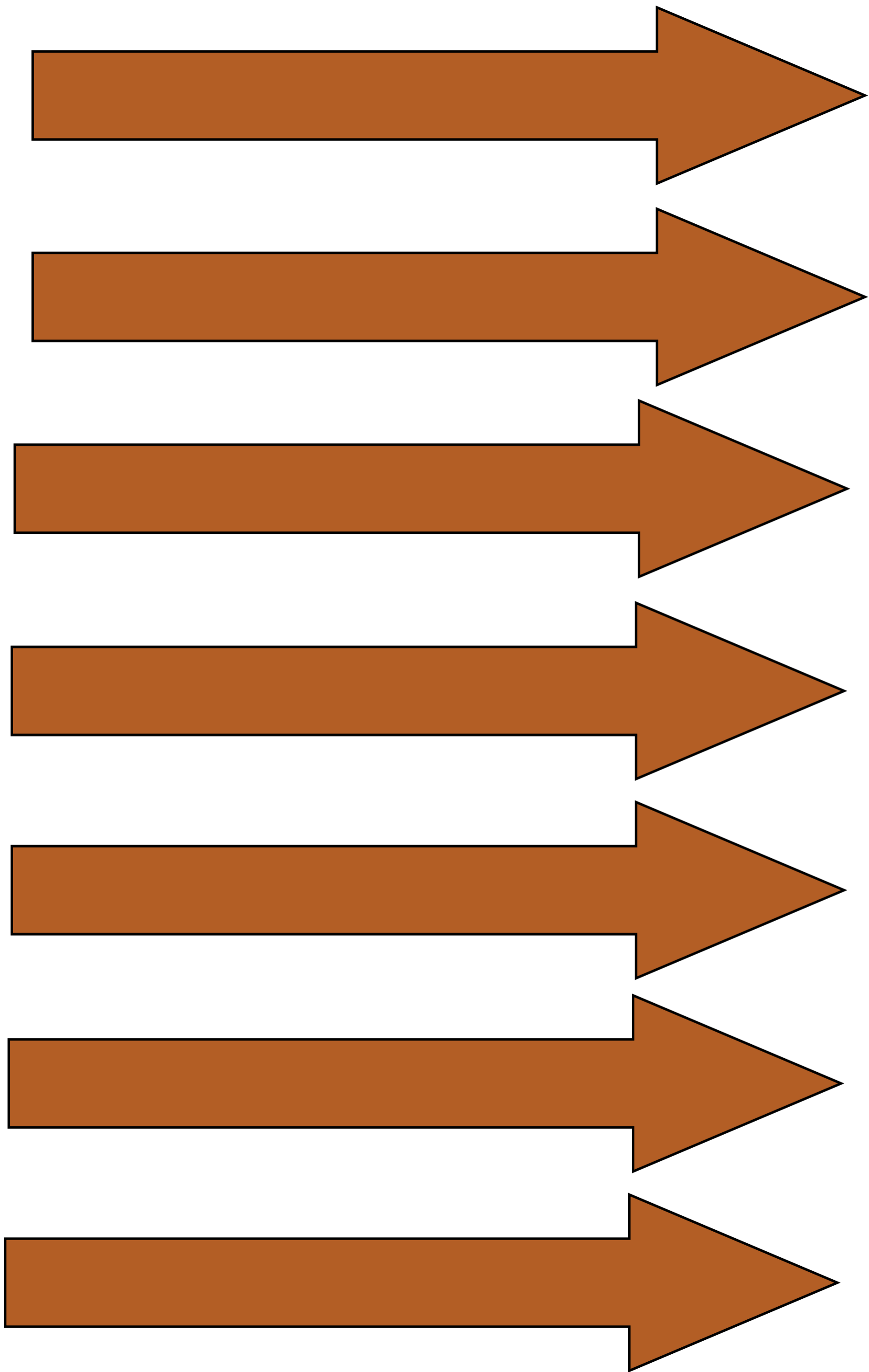
Bronze

Level

Know your
calculator!

Bronze

Level

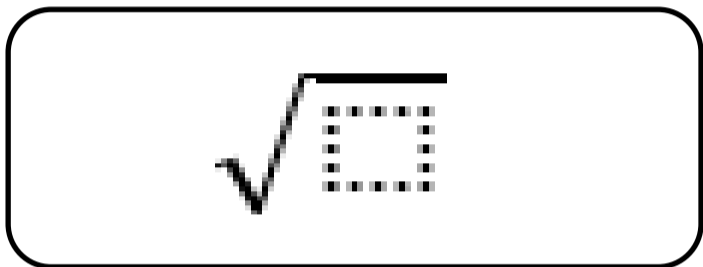


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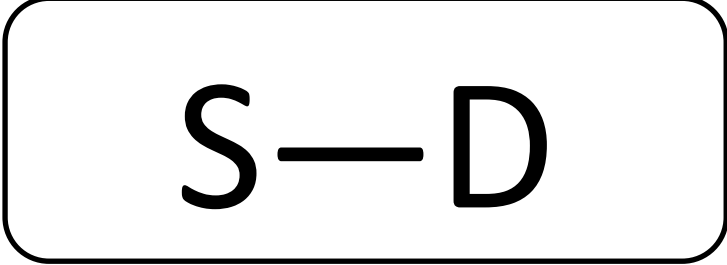
show TRUE/FALSE or

$f(x) = ?$

MODE

1

Fraction (surd) to
decimal button:



S—D

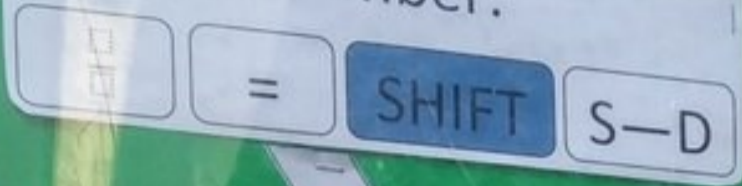
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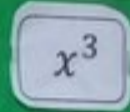
Improper fraction to a mixed number:



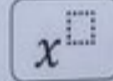
Know your calculator!



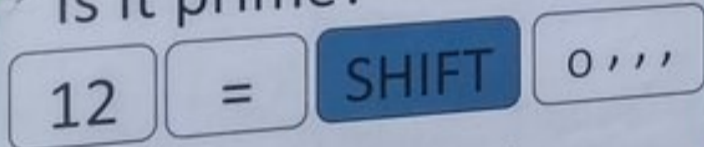
Cube numbers?



Or higher powers?

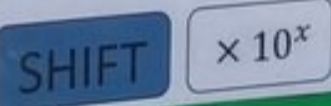


Is it prime?



This gives the prime factors (or your original number if it's prime).

Area and circumference of circles? You need π

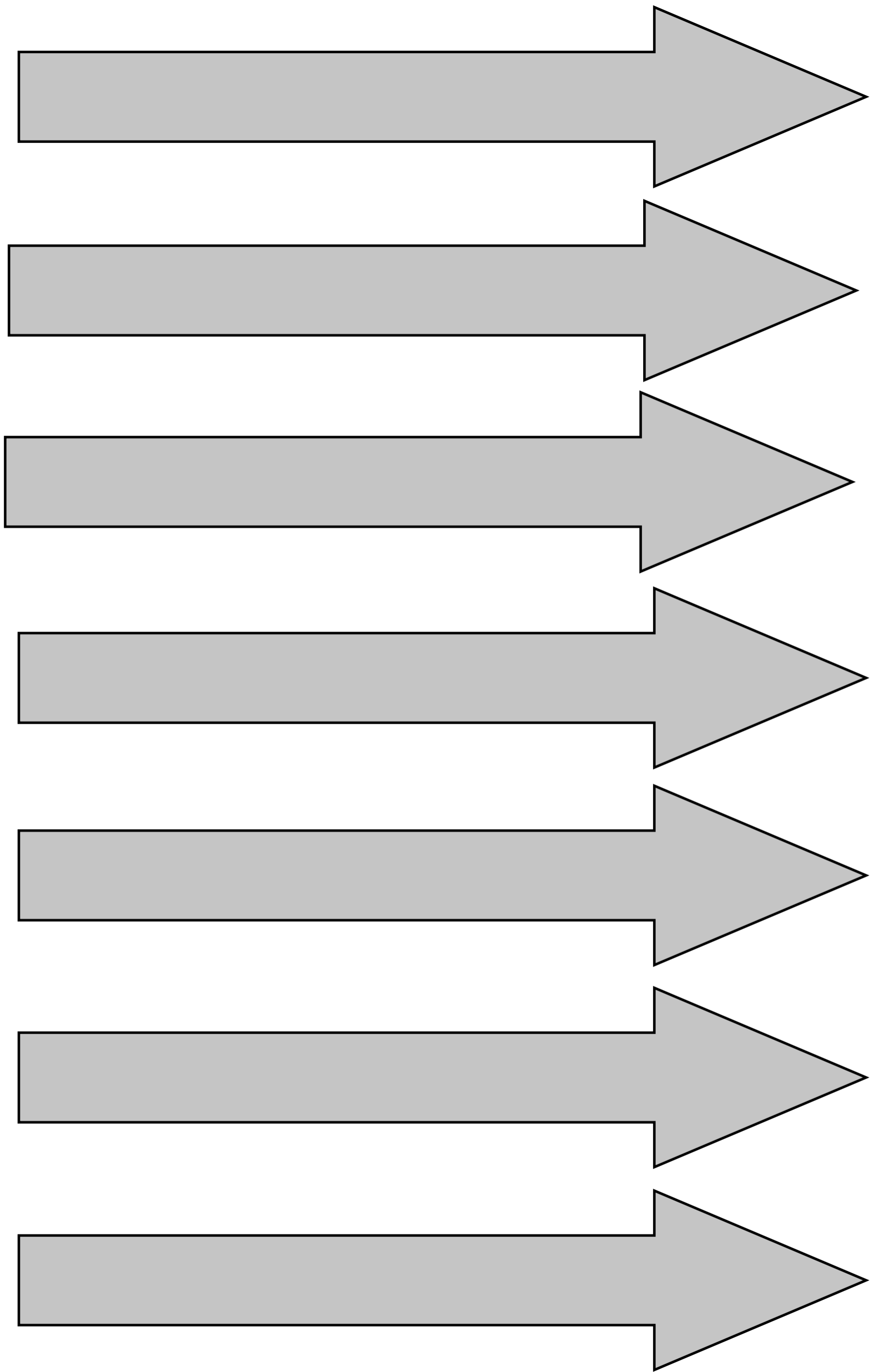


Silver Level

**Know your
calculator!**

Silver

Level



Is it prime?

12 = SHIFT 0 , , ,

This gives the prime factors (or your original number if it's prime).

Improper fraction to
a mixed number:

$$\frac{a}{b} = \text{SHIFT} \text{ S—D}$$

Area and circumference
of circles? You need π

$$\text{SHIFT} \times 10^x$$

Cube numbers?


$$x^3$$

Or higher powers?

$$x^{\square}$$

Gold
Level

Know your
calculator!

Need a random
number for Biology
or Geography work?
Use **SHIFT** 

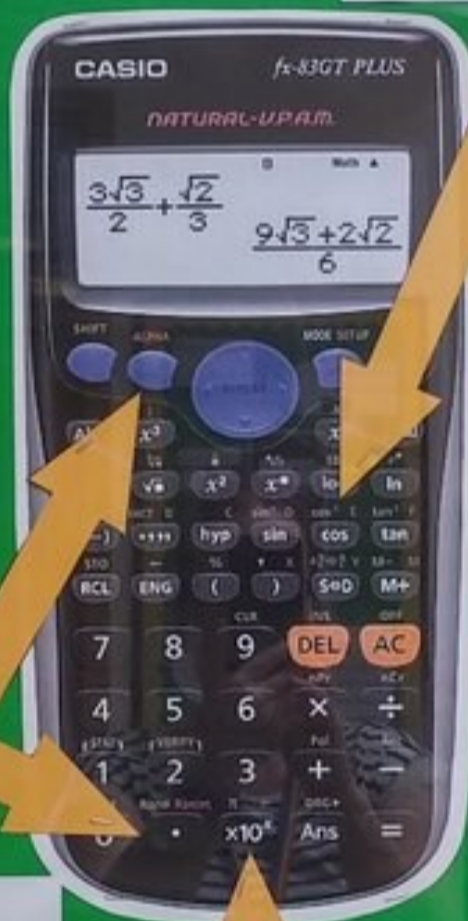
Use **MODE** **3** and
ALPHA to help you
complete a table of
coordinates. E.g.
 $y = 2x^2 + 5x - 1$
 $f(x) = 2x^2 + 5x - 1$

x	-2	-1	0	1	2	3
y	-3	-4	-1			32

Standard form?
Use $\times 10^x$

sin **cos** **tan**

for finding the **length** of a
right-angled triangle.
Use **SHIFT** and these
buttons to find the
missing angle.



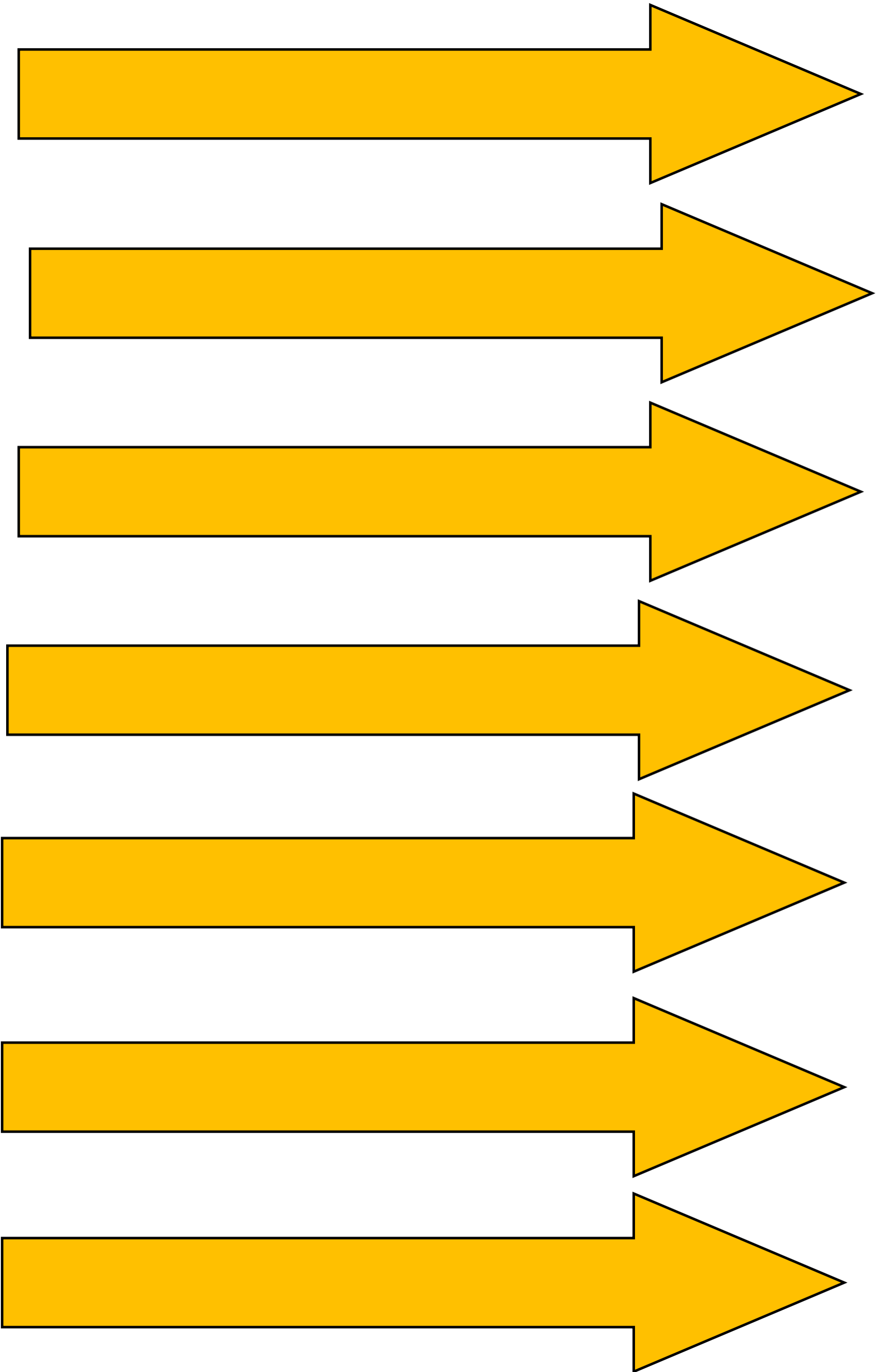
How do you
use Mode 4?

Search "calculator
hacks for Casio
fx-83GT plus" on
YouTube

Know your
calculator!

Gold

Level



Use **MODE** **3** and **ALPHA** to help you

complete a table of coordinates. E.g.

$$y = 2x^2 + 5x - 1$$

$$f(x) = 2x^2 + 5x - 1$$

x	-2	-1	0	1	2	3
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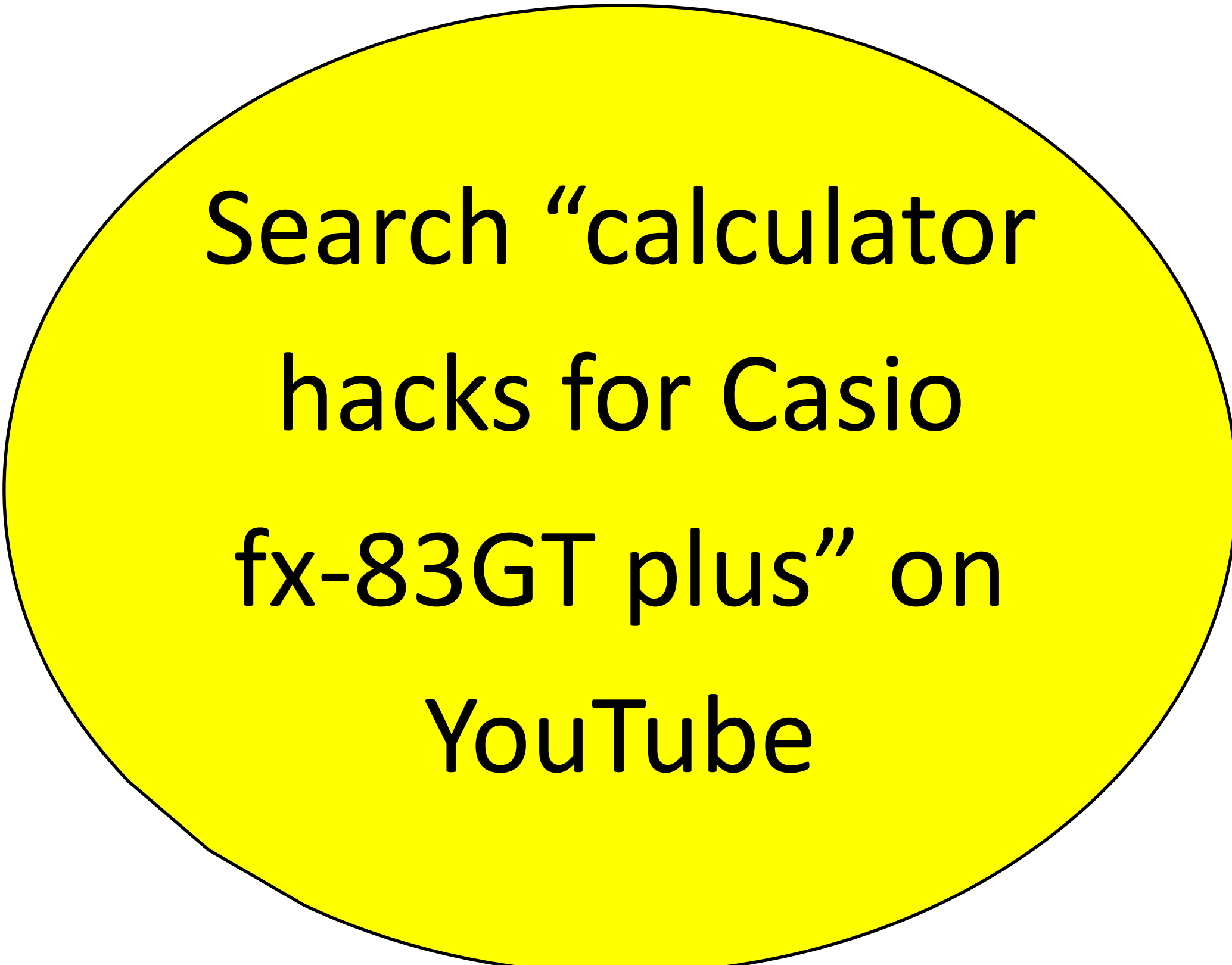
sin

cos

tan

for finding the length of a right-angled triangle.

Use **SHIFT** and these buttons to find the missing angle.

A large yellow oval with a black outline, containing text.

Search “calculator
hacks for Casio
fx-83GT plus” on
YouTube

A blue thought bubble with a black outline, containing text. It has three smaller circles leading to it from the bottom left.

How do you
use Mode 4?

Standard form?

Use $\times 10^x$

Need a random
number for Biology
or Geography work?

Use **SHIFT** \bullet

CASIO

fx-83GT PLUS

NATURAL-V.P.A.M.

$$\frac{3\sqrt{3}}{2} + \frac{\sqrt{2}}{3}$$
$$\frac{9\sqrt{3} + 2\sqrt{2}}{6}$$

SHIFT

ALPHA

MODE SETUP

ON

REPLAY

Abs

 x^3 x^{-1} log \square $\frac{\square}{\square}$ $\sqrt{\square}$ $\frac{\square}{\square}$ $\sqrt[n]{\square}$ 10^{\square} e^{\square} $\frac{\square}{\square}$ $\sqrt{\square}$ x^2 x^{\square}

log

ln

A

FACT B

C

sin $^{-1}$ Dcos $^{-1}$ Etan $^{-1}$ F

(-)

0 \div 11

hyp

sin

cos

tan

STO

←

%

* X

0 $\frac{\square}{\square}$ 1 $\frac{\square}{\square}$ 2 $\frac{\square}{\square}$ Y

M- M

RCL

ENG

(

)

S \leftrightarrow D

M+

CLR

INS

OFF

7

8

9

DEL

AC

nPr

nCr

4

5

6

X

 \div

[STAT]

[VERIFY]

Pol

Rec

1

2

3

+

-

Rnd

Ran# RanInt

 π e DRG \blacktriangleright

0

.

 $\times 10^x$

Ans

=