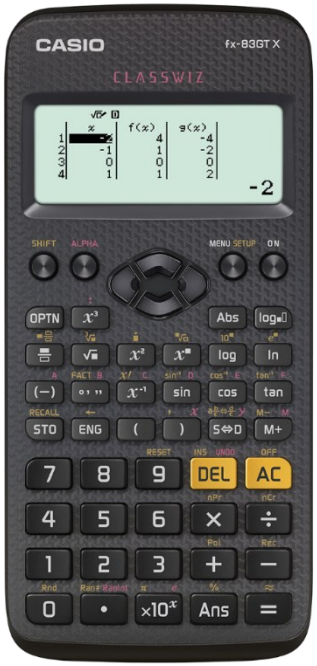


| Button/ | How to get there | What is does |
|---|---|---|
| **x10$^x$** | | Puts your answer to the power of 10, use for m, μ, k etc |
| **ENG** | | Puts your answer to the power of 10 to a value that can be converted to a prefix, keep clicking the Eng to move up powers of 3 or shift Eng to move down |
| **S↔D** | | Toggles between leaving your answer as a fraction or decimal |
| **DEG** | | WHAT YOUR CALCULATOR MUST BE IN WHEN DOING PHYSICS USED FOR TRIG |
| **RAD/Grad** | | DON'T LET YOUR CALCULATOR BE IN EITHER OF THESE |
| **calculate** | | To work out a sum rather than statistics, the default setting |
| **Input/output** | Shift /set up 1 | This decides if you want to use the MathIO (recommended MathI decimalO) which allows for the fraction button to be used or put in equations in a line format |
| **Angle unit** | Shift/set up 2 | For checking your calculator is set to DEGREES |
| **Number format** | Shift/ set up 3 | |
| **Fix** | Shift/ set up 3 /1 | This fixes the number of decimal places you want to display so will round up. Use this for individual questions only |
| **Sci** | Shift/ set up 3 /2 | Displays your answer in scientific notation, good when your answer requires this (lots of decimal places or a big number of sig fig etc |
| **Norm** | Shift/ set up 3 /3 | Cancels the Fix and Sci but you then select the type of input you want (see above) |
| **Norm 1~2** | | Selects between maths or line |
| **Ab/c or d/c** | Shift/ set up 4 | Do you want vulgar fractions or full numbers and fractions |
| **Recurring decimal** | Shift / set up /down. 3 | I RECOMMEND THIS BEING OFF, IT GIVES YOU THE DOT WHICH YOU MIGHT NOT NOTICE |
| **Decimal mark** | Shift/ set up / down 4 | Should be set to dot, some countries use a comma instead of a dot in a number |
| **pol** | Shift + | Shift + number comma number bracket = FOR USE WITH VECTORS RIGHT ANGLED TRIANGLES, CONVERTS A VECTOR AND ANGLE TO X,Y |
| **Rec** | Shift - | **Shift – number comma number bracket = FOR USE WITH VECTORS RIGHT ANGLED TRIANGLES, Converts an X and Y to resultant and angle (but not a bearing)** |
| **ANS** | | This stores the answer so you can use this for additional parts of the calculation |
| **x$^{-1}$** | | Puts your number/answer over 1 (e.g. in Resistance in parallel) |
| **Sin, cos, tan** | | Only needs for the angle in vector questions |
| **° ′ ″** | | Converts between hours, mins and second |
| $\frac{\square}{\square}$ | | Fraction button RECOMMENDED to avoid problems of BODMAS |

| Button/ | How to get there | What is does |
|---|---|---|
| **$x10^x$** | | Puts your answer to the power of 10, use for m, µ, k etc |
| **ENG** | | Puts your answer to the power of 10 to a value that can be converted to a prefix, keep clicking the eng to move up powers of 3 or shift eng to move down |
| **S↔D** | | Toggles between leaving your answer as a fraction or decimal |
| **DEG** | Shift/ set up 3 | WHAT YOUR CALCULATOR MUST BE IN WHEN DOING PHYSICS USED FOR TRIG |
| **RAD/Grad** | Shift/ set up 4 or 5 | DON'T LET YOUR CALCULATOR BE IN EITHER OF THESE |
| **calculate** | | To work out a sum rather than statistics, the default setting |
| **MthIO** | Shift /set up 1 | This decides if you want to use the MathIO (recommended MathI decimalO) which allows for the fraction button to be used or put in equations in a line format |
| **LineIO** | Shift/set up 2 | For checking your calculator is set to DEGREES |
| **Number format** | | |
| **Fix** | Shift/ set up 6 | This fixes the number of decimal places you want to display so will round up. Use this for individual questions only |
| **Sci** | Shift/ set up 7 | Displays your answer in scientific notation, good when your answer requires this (lots of decimal places or a big number of sig fig etc |
| **Norm** | Shift/ set up 8 | Cancels the Fix and Sci but you then select the type of input you want (see above) |
| **Norm 1~2** | | Selects between maths or line |
| **Ab/c or d/c** | Shift/ set uo/ down 1 or 2 | Do you want vulgar fractions or full numbers and fractions |
| **Recurring decimal** | Shift / set up/down. 4 | I RECOMMEND THIS BEING OFF, IT GIVES YOU THE DOT WHICH YOU MIGHT NOT NOTICE |
| **Decimal mark** | Shift / set up/down. 5 | Should be set to dot, some countries use a comma instead of a dot in a number |
| **pol** | Shift + | Shift + number comma number bracket = FOR USE WITH VECTORS RIGHT ANGLED TRIANGLES, CONVERTS A VECTOR AND ANGLE TO X,Y |
| **Rec** | Shift - | **Shift – number comma mumber bracket = FOR USE WITH VECTORS RIGHT ANGLED TRIANGLES, Converts an X and Y to resultant and angle (but not a bearing)** |
| **ANS** | | This stores the answer so you can use this for additional parts of the calculation |
| **$x^{-1}$** | | Puts your number/answer over 1 (eg in Resistance in parallel) |
| **Sin, cos, tan** | | Only needs for the angle in vector questions |
| **° ′ ″** | | Converts between hours, mins and second |
| **—** | | Fraction button RECOMMENDED to avoid problems of BODMAS |