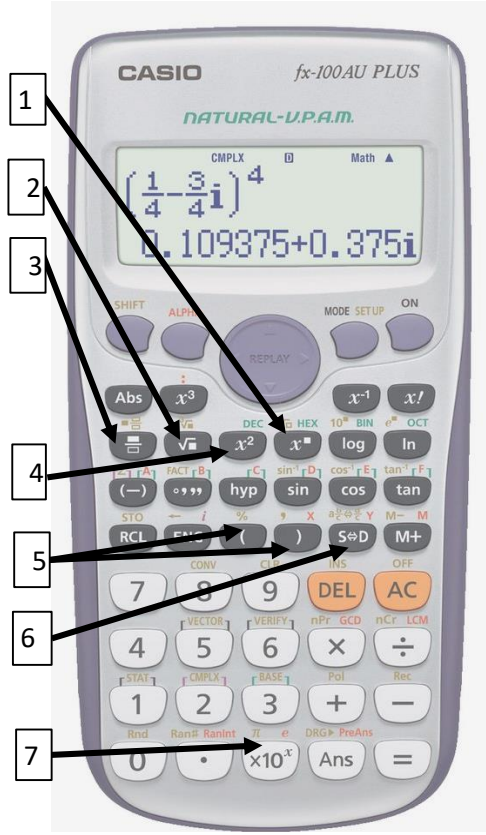


## 1. Angles

	Angles on a straight line add up to 180°
	Angles around a point add to 360°
	Vertically opposite angles are equal
	Angles in a triangle add up to 180°
	Angles in a quadrilateral add up to 360°
	Base angles in an isosceles triangle are equal
	Corresponding angles are equal
	Alternate angles are equal
	Co-interior angles add up to 180°

## 3. Using a calculator



1	Indices or Root (shift + button)
2	Square root
3	Fraction
4	Square
5	Brackets
6	SD button (changes from decimal to fraction)
7	Pi (shift + button)

## 4. Area

	Rectangle	$l \times w$
	Parallelogram	$b \times h$
	Triangle	$\frac{b \times h}{2}$
	Trapezium	$\frac{1}{2}(a + b) \times h$

## 5. Angles in Polygons

Sum of interior angles	$(n-2) \times 180$
Each interior angle in regular polygon	$\frac{(n-2) \times 180}{n}$
Sum of exterior angles	$360^\circ$
Each exterior angle in regular polygon	$\frac{360^\circ}{n}$
Number of sides in a regular polygon	$\frac{360}{\text{exterior angle}}$
Interior + exterior angle	$180^\circ$

## 6. Conversions

km → m	× 1000
km <sup>2</sup> → m <sup>2</sup>	× 1000 <sup>2</sup>
m → cm	× 100
m <sup>2</sup> → cm <sup>2</sup>	× 100 <sup>2</sup>
cm → mm	× 10
cm <sup>2</sup> → mm <sup>2</sup>	× 10 <sup>2</sup>
litre → ml	× 1000
tonne → kg	× 1000
kg → g	× 1000

## 2. Circle Definitions

Area of a circle	$\pi r^2$
Circumference of a circle	$\pi d$ or $2\pi r$
	Diameter
	Radius
	Circumference