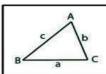
Geometry:

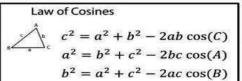
GEOMETRY QUICK GUIDE 2: 2D SHAPES (UK)

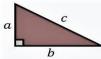
TRIANGLES	QUADRILATERALS		REGULAR POLYGONS
Equilateral triangle	Square		Equilateral triangle
All sides equal; interior angles 60°	All sides equal; all angles 90°		3 sides; angle 60°
The state of the s			
Isosceles triangle	Rectangle		Square
2 sides equal; 2 congruent angles	Opposite sides equal, all angles 90°		4 sides; angle 90°
Scalene triangle No sides or angles equal	Rhombus All sides equal; 2 pairs of parallel lines; opposite angles equal		Regular Pentagon 5 sides; angle 108°
	₹ <u></u>		
Right triangle	Parallelogram		Regular Hexagon
1 right angle	Opposite sides equal, 2 pairs of parallel lines		6 sides; angle 120°
Acute triangle	Kite		Regular Octagon
All angles acute	Adjacent sides equal; 2 congruent angles		8 sides; angle 135°
Obtuse triangle 1 obtuse angle	Trapezium 1 pair of parallel sides	Trapezoid No pairs of parallel sides	Regular Decagon 10 sides; angle 144°



Law of sines

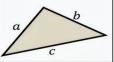
$$\frac{\sin(A)}{a} = \frac{\sin(B)}{b} = \frac{\sin(C)}{c}$$



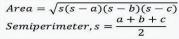


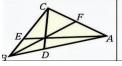






Heron's Formula





 $\frac{\text{Ceva's Theorem}}{\textit{Given AE, BF \& CD concurrent,}}$ $\frac{AD}{BD} \times \frac{BE}{CE} \times \frac{CF}{AF} = 1$