

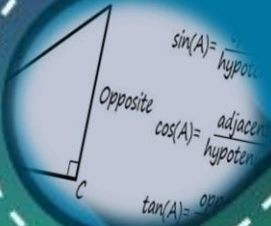
# Year 11 GCSE Mathematics (Foundation)

GUNNERSBURY  
CATHOLIC SCHOOL



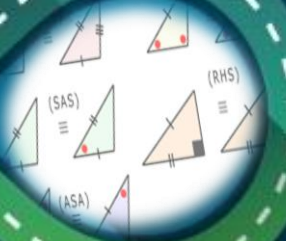
## Right-angled triangles

- ✓ Pythagoras' theorem
- ✓ Calculating the length of the shorter side
- ✓ Applying Pythagoras' theorem in real-life situations
- ✓ Pythagoras' theorem and isosceles triangles
- ✓ Trigonometric ratios
- ✓ Calculating lengths using trigonometry
- ✓ Calculating angles using trigonometry
- ✓ Trigonometry without a calculator
- ✓ Solving problems using trigonometry
- ✓ Trigonometry and bearings
- ✓ Trigonometry and isosceles triangles



## Congruency and similarity

- ✓ Congruent triangles
- ✓ Similarity



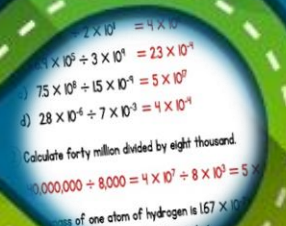
## Combined events

- ✓ Combined events
- ✓ Two-way tables
- ✓ Probability and Venn diagrams
- ✓ Tree diagrams



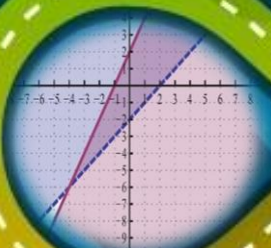
## Powers and standard form

- ✓ Powers (indices)
- ✓ Rules for multiplying and dividing powers
- ✓ Standard form



## Simultaneous equations and linear inequalities

- ✓ Elimination method for simultaneous equations
- ✓ Substitution method for simultaneous equations
- ✓ Balancing coefficients to solve simultaneous equations
- ✓ Using simultaneous equations to solve problems
- ✓ Linear inequalities



## Non-linear graphs

- ✓ Distance-time graphs
- ✓ Velocity-time graphs
- ✓ Plotting quadratic graphs
- ✓ Solving quadratic equations by factorisation
- ✓ The significant points of a quadratic curve
- ✓ Cubic and reciprocal graphs



## Practice Paper Set 2

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F



## Practice Paper Set 1

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F

## Practice Paper Set 3

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F



## Practice Paper Set 4

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F

## Practice Paper Set 5

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F



## Practice Paper Set 8

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F

## Practice Paper Set 6

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F



## Practice Paper Set 9

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F

## Practice Paper Set 7

- ✓ Paper 1F
- ✓ Paper 2F
- ✓ Paper 3F

Final GCSE Examinations