

S3 Preparing for National 5 – Pupil Information Sheet

Right-angled Triangle Trigonometry

TJ p70 - 72

Identify the relationship between sides and angles in a R.A.T
 Use the Sine, Cosine or Tangent ratio to find a side or an angle
 Use the Sine or Cosine ratio to find the hypotenuse
 Use SOHCAHTOA to choose the correct trig ratio

Surds, indices and Standard form

TJ Chapter 17

Simplify surds
 Add, subtract, multiply and divide surds
 Rationalise the denominator
 Use laws of indices
 Understand the meaning of zero and negative indices
 Use standard form in calculations

Arcs and Sectors

TJ Chapter 13

Find the length of an arc or the area of a sector
 Work backwards to find the angle or the radius

Expanding Brackets

TJ Chapter 1

Expand double brackets two terms x two terms
 Expand double brackets two terms x three terms

REVISION FOR OCTOBER TEST		
TOPIC	Textbook questions using TJ National 5	Videos from Corbett maths
Using <i>sohcahtoa</i> to find a side or angle	Page 9 Q86 Page 70 Q1 & 2 Page 71 Q3, 7,8 & 9	329 - 331
Simplifying surds	Page 170 Q1 Page 171 Q2 Page 171 Q7 Page 172 Q10	305 - 308
Using the laws of indices	Page 173 Q1, 4 & 5 Page 175 Q7 & 8 Page 175 Q12 Page 177 Q1 & Q2a – k	172 - 175
Scientific Notation	Page 5 Q45, 46, 47	300, 302, 303
Expanding double brackets	Page 14 Q1 Page 15 Q4 Page 16 Q6 Page 17 Q1 a – f Page 19 Q3	13 - 15
Circles - Finding arc length or sector area	Page 126 Q4 & 5 Page 127 Q4 & 5 Page 128 Q1 – 5 Page 131 Q2 & 3j	46, 58