MTH-5163

Subject-Specific Content

Categories of Knowledge	Prescribed Knowledge
Geometric transformations	Representing and describing geometric transformations
Finding measurements	• Equivalent figures
	Finding measurement of:
	– arcs or angles
	lengths (segments, chords)
	– areas
	– volumes
	– capacities
Geometric loci and relative position: plane loci involving lines or circles only, and conics	Describing and representing and constructing geometric loci (plane loci involving lines or circles only, and conics)
Trigonometric relations	Standard unit circle (radian and arc length)
	Manipulating simple trigonometric expressions using definitions (sine, cosine, tangent, secant, cosecant and cotangent)
Vectors	Resultant and projection
	Operations on vectors