

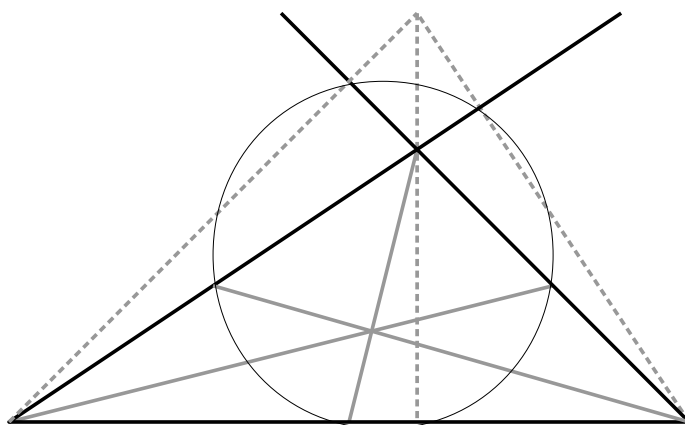
Mathematics 2260H – Geometry I: Euclidean geometry

TRENT UNIVERSITY, Fall 2018

Assignment #11

The ~~nine~~ six-point circle

Due on Friday, 30 November.



1. Show that the feet of the altitudes of a triangle and the midpoints of the triangle's sides are all on the same circle. [7]
2. Where is the centre of this circle? [3]

Hint: The centre of the nine-point circle, usually denoted by N , is halfway between two other centres on the Euler line.