Centre of Mass - Contents (2 pages; 7/8/17)

Part 1

- (1) Objects for which the centre of mass may be determined
- (2) Centre of mass of a collection of point masses
- (3) Collection of point masses in 2D
- (4) Centre of mass of a solid (or hollow) object
- (5) Centre of mass of a lamina
- (6) Centre of mass of a uniform triangular lamina
- (7) Centre of mass of a uniform sector
- (8) Centre of mass of a rod
- (9) Centre of mass of a uniform circular arc
- (10) Centre of mass of a composite body
- (11) Hanging a lamina from one of its corners
- (12) Toppling: Lamina on a rough slope

Part 2

- (13) Centre of mass of triangular lamina (proof) Part 1
- (14) Centre of mass of triangular lamina (proof) Part 2 (Distance along the medians)
- (15) Centre of mass of triangular lamina (proof) Part 3: Location of the centre of mass in terms of the coordinates of the vertices
- (16) Centre of mass of triangular lamina (proof) Part 4 : Rightangled Triangle
- (17) Centre of mass of a uniform sector (proof by integration)

- (18) Centre of mass of a uniform circular arc (proof by integration)
- (19) Centre of mass of a general lamina (proof by integration)
- (20) Centre of mass of a right-angled triangular lamina (proof by integration)
- (21) Centre of mass of cone (proof by integration)
- (22) Centre of mass of conical shell
- (23) Centre of mass of hemispherical shell (proof by integration)