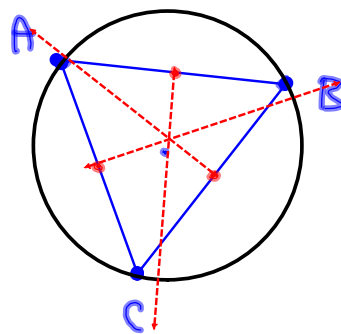**Applications of triangle centres**

Three towns have to build a hospital that will serve all three towns. They have decided to build it at a point that is equidistant of all three towns. Describe the steps a person would have to follow to find this point.

need circumcentre

→ ⊥-bisectors

There are parades going on along Wellington Street and along both sections of Elgin Street. Where would you have to stand so that you could visit all three parades and walk the least amount?

State the centre this corresponds with and the steps required to find this centre. DO **NOT** solve!
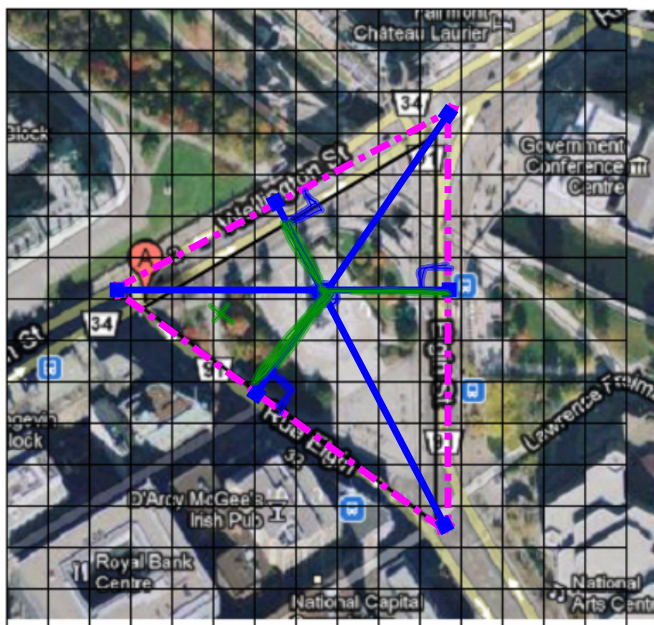
Mar 8-9:55 AM

A design plan for a thin triangular computer shows the coordinates of the vertices at (8, 12), (12, 4), and (2, 8).
Explain what centre you would need to find to find the coordinates of the centre of mass.
Explain the steps you have to follow to find this centre.

→ centroid

medians

Mar 8-9:56 AM

Triangle Centres (2.7)

Assigned Work:

Triangle ABC has vertices A(3, 4), B(-5, 2) and C(1, -4).
Find the coordinates of the
a) circumcentre. Answer: (-2/5, 3/5)
b) orthocentre. Answer: (-1/5, 4/5)
c) centre of mass (centroid). Answer: (-1/3, 2/3)

p.120-121 # 6, 8, 9, 10

Test will be Friday:

Review:
p124-125 #1, 2, 3, 6, 7, 8, 9, 10, 11, 13,
15, 16, 18, 20a, 21, 22, 23

Mar 7-8:08 AM

Mar 8-1:16 PM