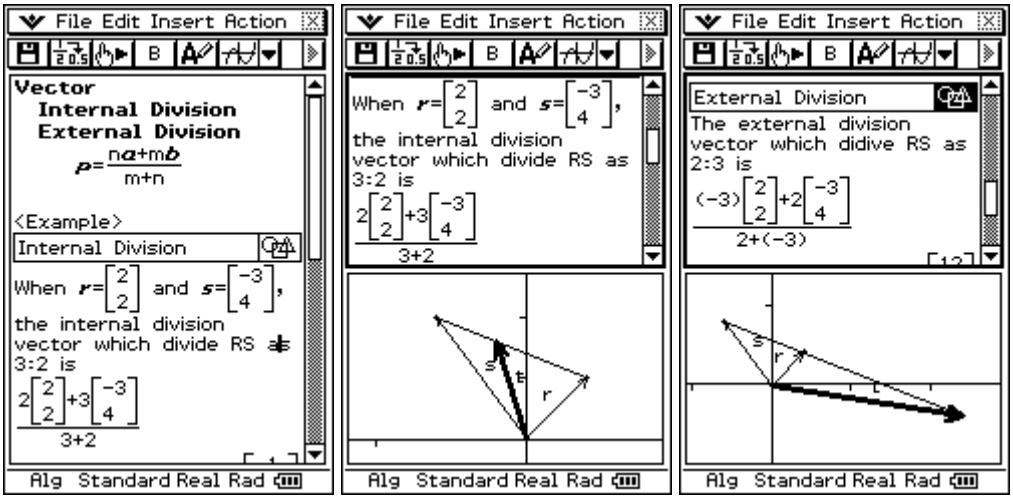
Vectors Part II

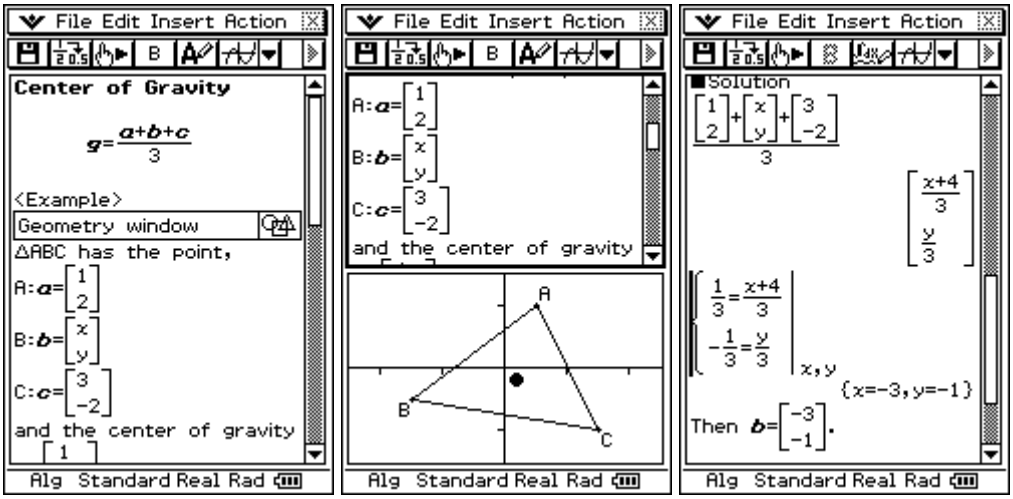
Vectors are very interesting, and yet we often overlook what makes them interesting. We can do much more than just find their sum or difference, dot or cross products. If you have a friend or neighbor who is a math fanatic, you may be able to impress them with these activities. If not, next weeks will.

This file includes eActivities on:
(na+mb)/(m+n) Can we divide a segment using vectors?
Center of Gravity A formula for the center of gravity of a triangle.
Midpoint Can we find a segments midpoint using vectors?
Perpendicular Transform two vectors into perpendicular vectors.
p=ma+nb Use vector addition to transform the sum of two vectors into a given vector.

(na+mb)/(m+n)
Can we divide a segment using vectors?

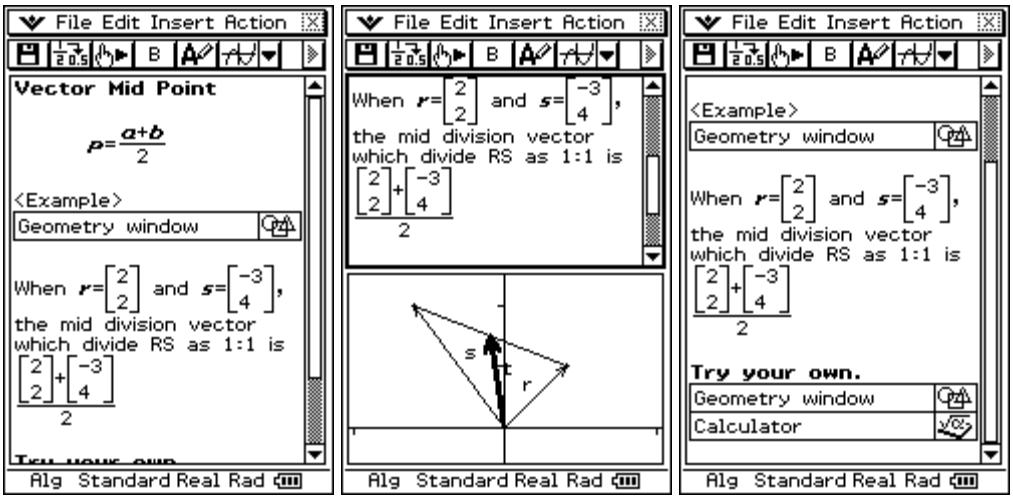


Center of Gravity
A formula for the center of gravity of a triangle.



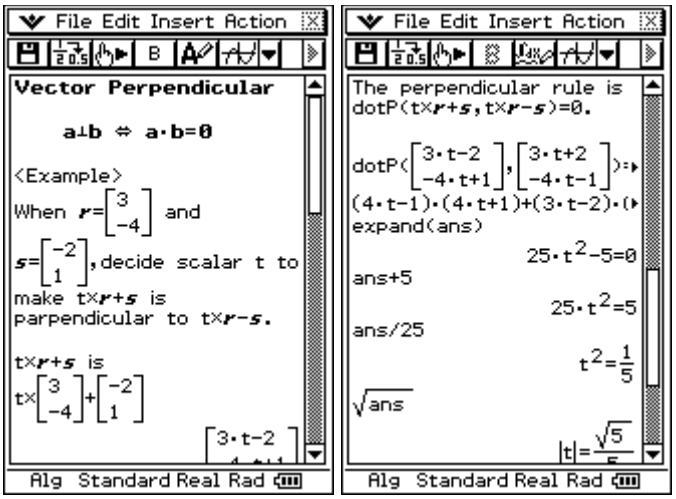
Midpoint

Can we find a segments midpoint using vectors?



Perpendicular

Transform two vectors into perpendicular vectors.



p=ma+nb

Use vector addition to transform the sum of two vectors into a given vector.