**11A Vectors Introduction**



1. OACB is a parallelogram. The points P, Q, M and N are the midpoints of the sides.

OA = **a**

OB = **b**

Express the following in terms of **a** and **b**.

a) OC b) AB c) QC d) CN e) QN



1. In triangle OAB, M is the midpoint of OA and N divides AB in the ratio 1:2.

OM = **a**

OB = **b**

Express ON in terms of **a** and **b**