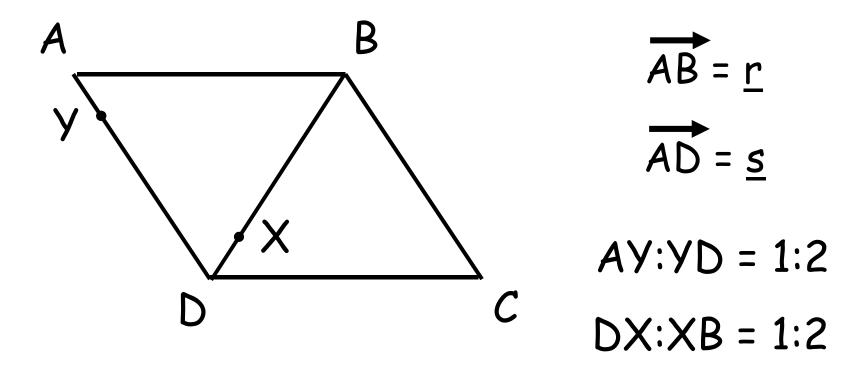
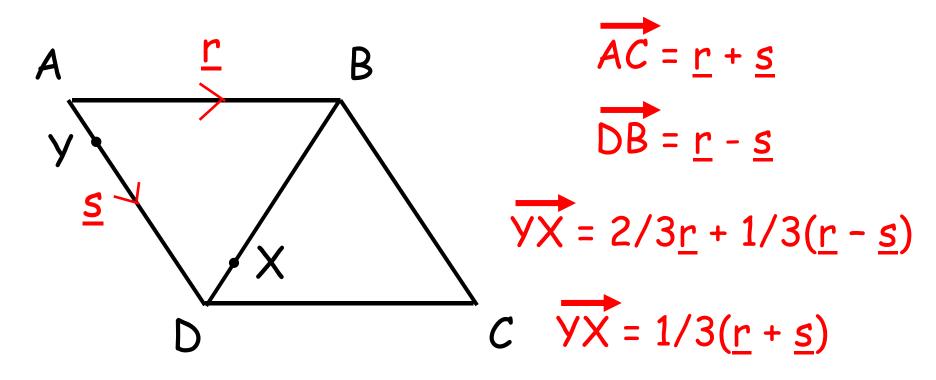
Vector Geometry

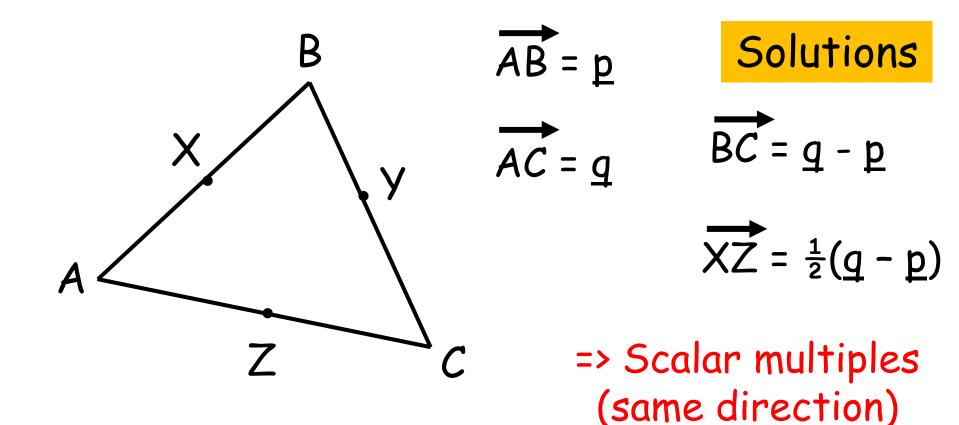


i) Show that YX is parallel to ACii) What is the ratio YX:AC



- i) AC and YX are scalar multiples => parallel ii) YX : AC = 1 : 3
 - i) Show that YX is parallel to ACii) What is the ratio YX:AC

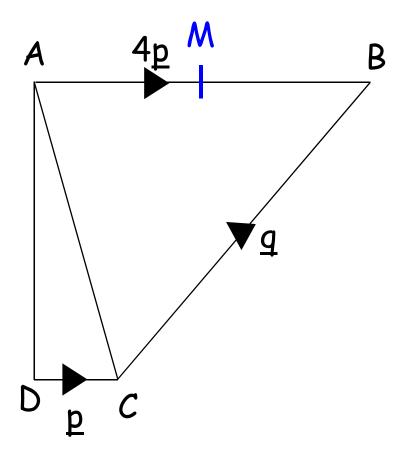
Vector Geometry



- X, Y and Z are all midpoints
 - i) Express BC in terms of \underline{p} and \underline{q} ii) Show that XZ is parallel to BC

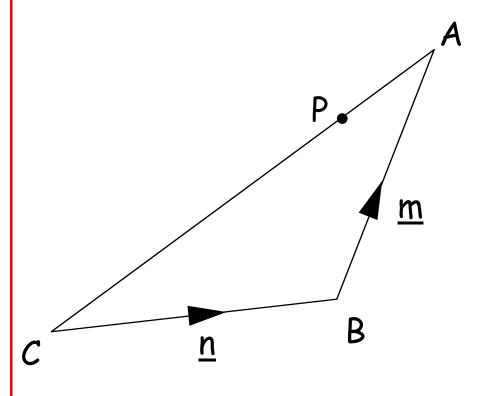
Rewriting Vectors

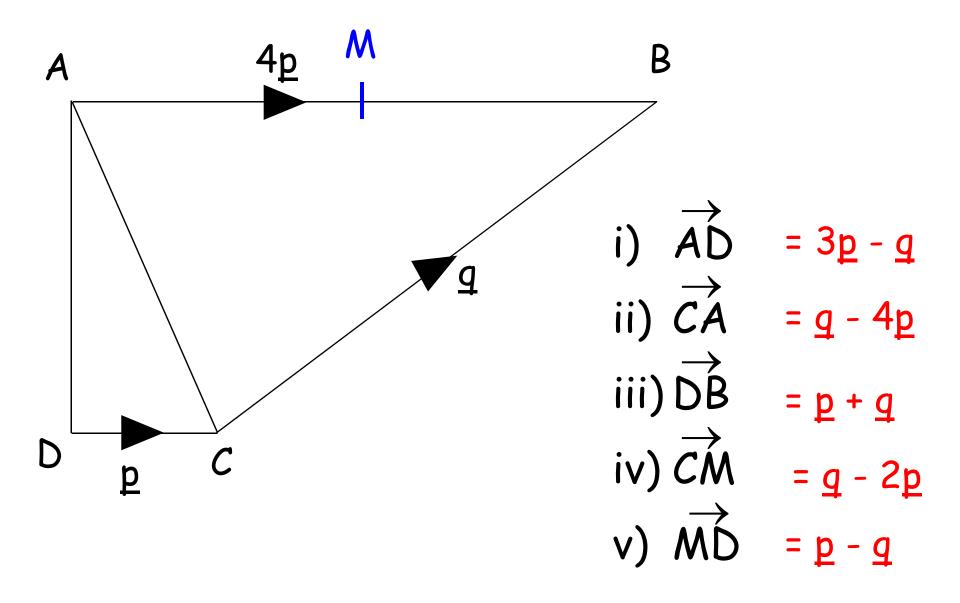
1) \overrightarrow{AD} \overrightarrow{ii} \overrightarrow{CA} \overrightarrow{iii} \overrightarrow{DB} \overrightarrow{iv} \overrightarrow{CM} \overrightarrow{V} \overrightarrow{MD}

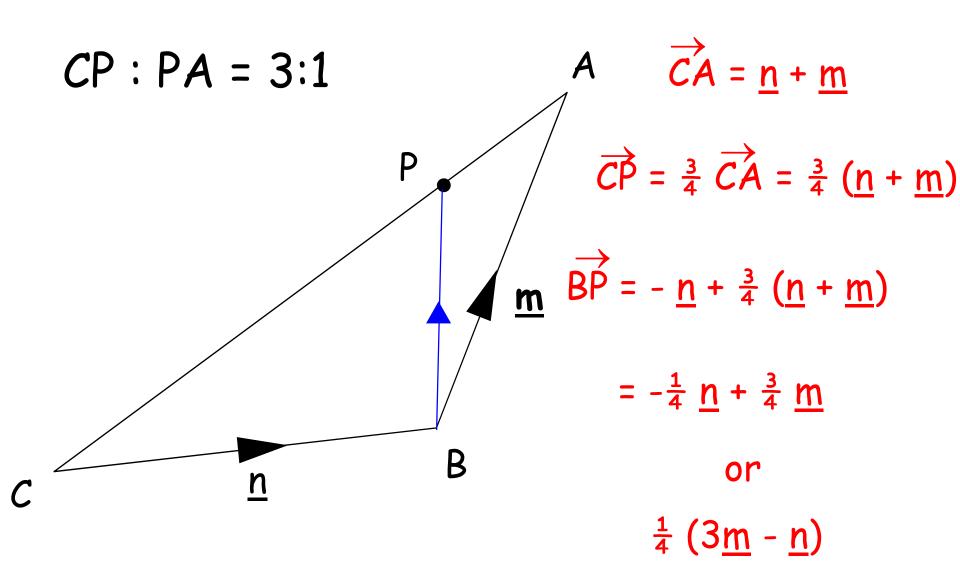


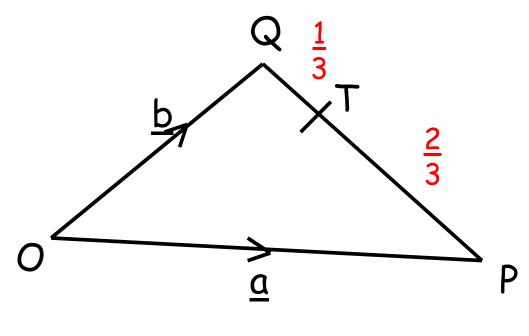
EXT:

In triangle ABC, P is a point on AC such that CP:PA = 3:1 Find \overrightarrow{BP} in terms of \underline{m} and \underline{n}

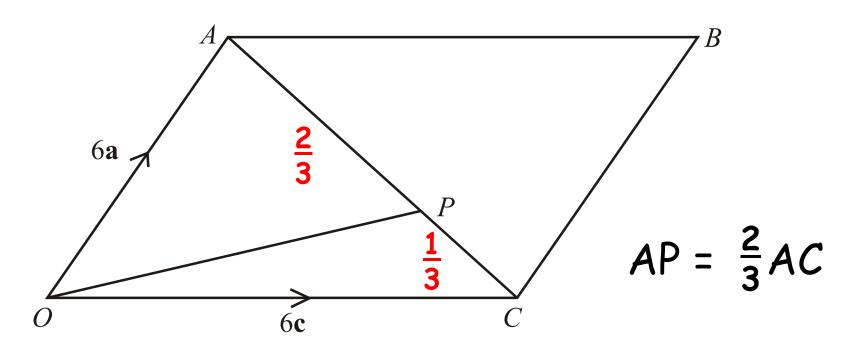








$$\overrightarrow{OT} = 1^{\frac{1}{3}} \underline{b} - \frac{1}{3} \underline{a}$$



$$OP = \overrightarrow{OC} + \overrightarrow{CP}$$

$$6\underline{c} + (-2\underline{c} + 2\underline{a})$$

$$4\underline{c} + 2\underline{a}$$

