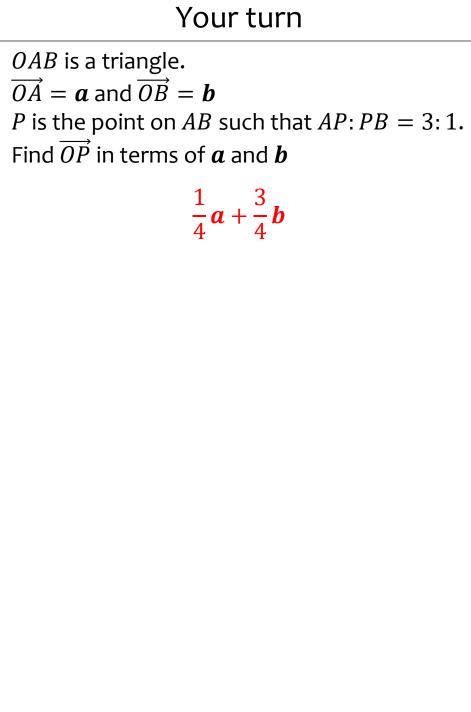
11.1) Vectors

Your turn PQRS is a parallelogram. N is the point on SQ such that SN: NQ = 3:2 $\overrightarrow{PQ} = \boldsymbol{a}$ and $\overrightarrow{PS} = \boldsymbol{b}$ Express \overrightarrow{NR} in terms of \boldsymbol{a} and \boldsymbol{b} $\frac{2}{5}a + \frac{3}{5}b$



le: Your turn Show that the vectors are parallel:

$$6\mathbf{a} + 8\mathbf{b} \text{ and } 9\mathbf{a} + 12\mathbf{b}$$

 $9\mathbf{a} + 12\mathbf{b} = \frac{3}{2}(6\mathbf{a} + 8\mathbf{b})$

$$3a + 4b$$
 and $-0.75a - b$