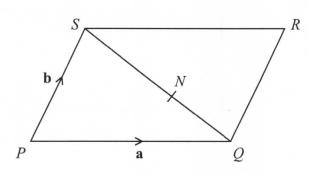4

27

Diagram **NOT** accurately drawn

PQRS is a parallelogram.

N is the point on *SQ* such that *SN* : *NQ* = 3 : 2

$\overrightarrow{PQ}$ = **a**

$\overrightarrow{PS}$ = **b**

(a) Write down, in terms of **a** and **b**, an expression for $\overrightarrow{SQ}$.

$\overrightarrow{SQ}$ = ...

(1)

(b) Express $\overrightarrow{NR}$ in terms of **a** and **b**.

$\overrightarrow{NR}$ = ...

(3)

(Total for Question 27 is 4 marks)

Turn over ▶

P 4 3 5 9 8 A 0 2 5 2 8