Question 8

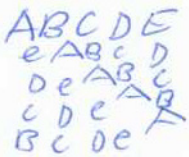
BOARD OF STUDIES
NEW SOUTH WALES

8A

8B (I) $P(A) = \frac{1}{5}$

(I) $P(ABCDE) = \frac{29}{120}$

Question 8 b (ii)



$\frac{A}{\frac{1}{5}} \; \frac{B}{\frac{1}{4}} \; \frac{C}{\frac{1}{3}} \; \frac{D}{\frac{1}{2}} \; \frac{E}{1} = \frac{29}{120}$

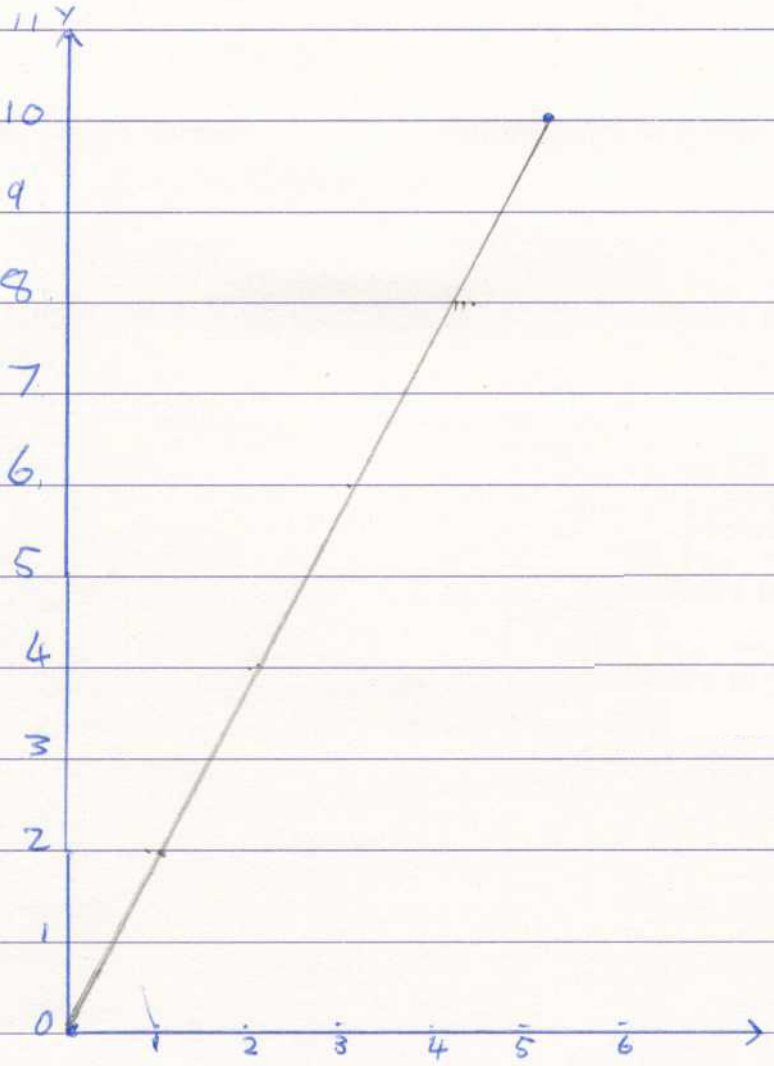
$\frac{E}{\frac{1}{5}} \; \frac{A}{\frac{1}{4}} \; \frac{B}{\frac{1}{3}} \; \frac{C}{\frac{1}{2}} \; \frac{D}{1} = \frac{29}{120}$

8C (I)

when $y = 2$ $t = 1$

when $y = 0$ $t = 0$

minimum when $x = 0$ maximum when $t = 5$

BOARD OF STUDIES
NEW SOUTH WALES

8 C II