

DO NOT WRITE IN THIS AREA

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22  $T$  varies inversely as the square of  $y$ .

$$T = 0.32 \text{ when } y = 5$$

- (a) Find a formula for  $T$  in terms of  $y$ .

.....  
(3)

- (b) Find the positive value of  $y$  when  $T = 200$

.....  
(2)

**(Total for Question 22 is 5 marks)**

