16 The following table gives values of x and y where y is inversely proportional to the square of x.

x	1.5	2	3	4
y	16	9	4	2.25

(a) Find a formula for y in terms of x.

.....

(3)

Given that $x > 0$

(b) find the value of x when $y = 144$

.....

(2)

(Total for Question 16 is 5 marks)

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