

DO NOT WRITE IN THIS AREA

- 8** Given that $y = 12x^3 + \frac{16}{x^2}$
find $\frac{dy}{dx}$

$$\frac{dy}{dx} = \dots$$

(Total for Question 8 is 3 marks)

- 9** $X = \frac{a}{c-f}$

 $a = 40$ to the nearest whole number $c = 2.2$ to 1 decimal place $f = 0.6$ to 1 decimal placeCalculate the upper bound for the value of X

Show your working clearly.

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(Total for Question 9 is 3 marks)

