8 Given that $y = 12x^3 + \frac{16}{x^2}$

find $\frac{dy}{dx}$

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

(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 place

Calculate the upper bound for the value of X
Show your working clearly.

.....

(Total for Question 9 is 3 marks)