- 5 Differentiate with respect to x
  - (a)  $e^{4x} (6x + 2)^{\frac{3}{2}}$

Give your answer in the form  $e^{4x} \left( \sqrt{6x+2} \right) (Ax+B)$  where A and B are integers.

(5)

$$(b) \frac{\sin 3x}{\left(2x-4\right)^3}$$

(3)


	Question 5 continued
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	(Total for Question 5 is 8 marks)
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