

VCE Mathematical Methods

Question and Answer Book

- Reading time is 15 minutes
- Writing time is 1 hour

2 questions (5 marks)

Question 1 (3 marks)

Let $y = x^2 \cos(x)$. Find $(dy)/(dx)$.

a. (1 mark)

Find the gradient.

b. (2 marks)

Find the value at $x=8$.

Question 2 (2 marks)

Let $g(x)$ be a function defined for $x \in (3/2)$.