

VCE Mathematical Methods

Examination 1

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 $(dy)/(dx)$. This is π radians.

- a. Find gradient at $x = \pi$ using $(d)/(dx)$.

2 marks

Question 2 (2 marks)

Solve $e^{(2x)} - 8e^x + 7 = 0$ for x .