

Test Examination

Question and Answer Book

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

2 questions (7 marks)

Question 1 (3 marks)

Let x^2 be a function.

a. (1 mark)

Find the derivative.

b. (2 marks)

Find the value at $x=5$.

i. (1 mark)

Step i

ii. (1 mark)

Step ii

Question 2 (4 marks)

Solve the equation.

a. (2 marks)

Show that $k = 10$.