

2018 O Level A Maths Paper 1

Suggested answers by Ms Jayme Zhang (Key educator @ Keynote Learning)
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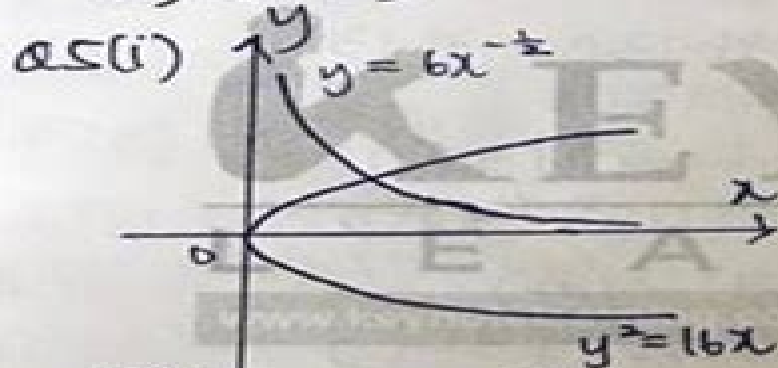
Q1. $5^{-\frac{3}{2}}$

Q2(ii) $2 + \sqrt{3}$

Q3. $\frac{3}{2x-1} + \frac{2x-5}{x^2+4}$

Q4a) a) $a = -6, b = -11$

b) $5 - \sqrt{3}$



(ii) $(1.5, 2\sqrt{6})$

Q6(i) $x = 3^{\frac{8}{5}}$

Q7(i) 40.5 s

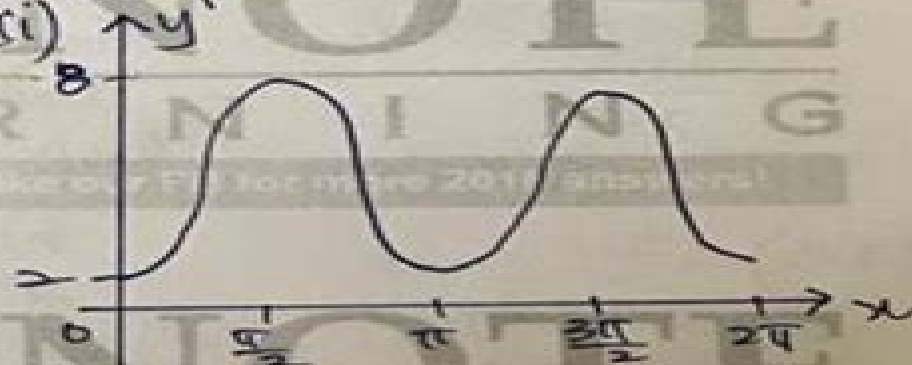
(ii) $\frac{2}{15}$ cm/s

Q8(i) $5 - 3\cos 2x$

(ii) period = π radians

Amp = 3

(iii)



Q9(i) $y = \frac{1}{2}x$

(ii) B(8, 4)

Q10(i) $r = \frac{20-3x}{2\pi}$

(iii) 4.15 m (3 sf)

(iv) min. pt

Q11(i) $5 + \frac{6}{2x-3}$

(ii) increasing

(iii) decreasing

(iv) $f(x) = 5x + 3\ln(2x-3) - 2$

Q12(i) 18

(ii) $a > \frac{3}{2}, b = 12$

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Bee Hoo Ong



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Pass With Distinction Mathematics Book 4 by Paper Teh Keng Seng,Krishnamachari Amirtham,2010-01-01

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Design and Usability of Digital Libraries: Case Studies in the Asia Pacific Theng, Yin-Leng, 2004-12-31 This book showcases some of the best digital library practices from organizations in the Asia Pacific Particular emphasis has been placed on the design use and usability of digital libraries In addition to digital libraries it also examines related technologies the management of knowledge in digital libraries and the associated usability and social issues surrounding digital libraries The book will benefit practitioners researchers educators and policy makers from a variety of disciplines In particular developers designers of digital libraries librarians users and researchers will all find this collection of case studies a valuable tool

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