Answers: Area between two curves

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Summary

Answers to questions relating to the guide on area between two curves.

These are the answers to Questions: Area between two curves.

Please attempt the questions before reading these answers!

Answers

Q1

1.1. 4

1.2. $\dfrac{16}{3}$

1.3. $\dfrac{8}{3}$

1.4. 2

1.5. $\ln(2)$

1.6. $\dfrac{8\sqrt{2}}{3}$

1.7. $\dfrac{4}{3}$

1.8. $\dfrac{1}{6}$

1.9. $\dfrac{1}{4}$

1.10. $\dfrac{8}{3}$

Q2

2.1. 2

2.2. 2

2.3. 1

2.4. 2

2.5. $\dfrac{2}{3}$

2.6. 1

2.7. 2

2.8. 1

2.9. $1 + \dfrac{1}{2\sqrt{2}}$

Q3

3.1. $\dfrac{10}{3}$

3.2. 18

3.3. $\dfrac{32}{3}$

3.4. $\dfrac{16}{3}$

3.5. $\dfrac{125}{12}$

3.6. $\dfrac{32}{3}$

3.7. $\dfrac{9}{2}$

3.8. $\dfrac{27}{2}$

Version history and licensing

v1.0: initial version created 05/25 by Donald Campbell as part of a University of St Andrews VIP project.