

MCB FINAL REVIEW

Answer Section

MULTIPLE CHOICE

- ANS: A REF: Knowledge and Understanding
OBJ: 1.2 Investigating the Characteristics of Polynomial Functions
LOC: AF1.01 TOP: Polynomial Function Models
2. ANS: D REF: Application OBJ: 2.1 Investigating Exponential Models
LOC: AF3.05 TOP: Exponential and Logarithmic Function Models
3. ANS: B REF: Knowledge and Understanding OBJ: 2.7 Creating Logarithmic Models
LOC: DA6.02 TOP: Exponential and Logarithmic Function Models
4. ANS: C REF: Knowledge and Understanding
OBJ: 4.4 Finding Some Shortcuts - The Product Rule LOC: DA2.02
TOP: Using the Derivative to Analyze Polynomial Function Models
- ANS: B REF: Knowledge and Understanding
OBJ: 5.2 Limits and End Behaviour of Rational Functions LOC: DA1.01
TOP: Rates of Change in Rational Function Models
6. ANS: C REF: Knowledge and Understanding
OBJ: 5.4 Rate of Change of a Rational Function - The Quotient Rule
LOC: DA2.02 TOP: Rates of Change in Rational Function Models
7. ANS: C REF: Knowledge and Understanding
OBJ: 6.2 Rates of Change for Composite Functions - The Chain Rule
LOC: DA2.02 TOP: Rates of Change in Composite Function Models
- ANS: C REF: Application
OBJ: 6.4 Finding Optimal Values for Composite Function Models
LOC: DA3.04, DA4.03 TOP: Rates of Change in Composite Function Models
9. ANS: C REF: Knowledge and Understanding
OBJ: 7.4 Differentiating Other Logarithmic and Exponential Functions
LOC: DA3.03 TOP: Rates of Change in Exponential and Logarithmic Function Models
10. ANS: C REF: Knowledge and Understanding
OBJ: 7.5 Sketching Graphs of Exponential and Logarithmic Functions
LOC: DA5.02 TOP: Rates of Change in Exponential and Logarithmic Function Models

SHORT ANSWER

- ANS:
11.57
- REF: Knowledge and Understanding OBJ: 2.8 Solving Logarithmic Equations
LOC: AF4.04 TOP: Exponential and Logarithmic Function Models
12. ANS:
- REF: Knowledge and Understanding
OBJ: 3.4 Using Limits to Find Instantaneous Rates of Change - The Derivative
LOC: DA1.04 TOP: Rates of Change in Polynomial Function Models
13. ANS:
\$23.44
- REF: Application OBJ: 4.6 Rates of Change in Business and Economics
LOC: CC1.03, DA6.04
TOP: Using the Derivative to Analyze Polynomial Function Models
14. ANS:
15 km/h
- REF: Application OBJ: 4.6 Rates of Change in Business and Economics
LOC: CC1.03, DA6.04
TOP: Using the Derivative to Analyze Polynomial Function Models