

# Applications of Mathematics 10

## Sample Examination

(Updated as of January 2005)

### ANSWER KEY

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Question Number	Topic	Question Type	Cognitive Level	Key
1.	B1	TF	U	B
2.	B7	MT	U	H
3.	B7	MT	U	D
4.	B7	MT	U	E
5.	B1	NR	U	0.90
6.	B6	MC	K	C
7.	B2	MC	U	C
8.	B1	MC	U	C
9.	B1	MC	K	D
10.	B3, B4, D8	MC	U	D
11.	B7	NR	U	479.72
12.	B2	MC	H	D
13.	B7	MC	U	C
14.	B4	MC	U	B
15.	B4	MC	H	A

**Question Type Categories:**

**MC** — Multiple Choice

**MT** — Matching

**NR** — Numerical Response

**TF** — True and False

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Question Number	Topic	Question Type	Cognitive Level	Key
16.	C2	TF	K	A
17.	C2	MC	U	C
18.	C4	MC	U	B
19.	C8	NR	U	24.25
20.	C8	MC	H	C
21.	C6	MC	K	A
22.	C7	MC	U	C
23.	C7	MC	U	B
24.	C5	MT	U	F
25.	C5	MT	U	A
26.	C5	MT	U	D
27.	C5	NR	H	17.22
28.	C3	MC	U	A
29.	C7	MC	U	A
30.	C1	MC	U	D

**Question Type Categories:**

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Question Number	Topic	Question Type	Cognitive Level	Key
31.	D5	MT	U	D
32.	D3	MT	U	C
33.	D5	MT	U	E
34.	D3	NR	U	3.71
35.	D1	MC	K	C
36.	D4	MC	U	D
37.	D2	MC	U	C
38.	D1	MC	H	B
39.	D6	MC	K	B
40.	D3	NR	H	1.83
41.	D7	TF	U	B
42.	D8	MC	U	B
43.	D5	MC	U	C
44.	D8	MC	U	C
45.	D2	MC	U	C

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**MC** — Multiple Choice

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### ANSWER KEY

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Question Number	Topic	Question Type	Cognitive Level	Key
46.	E1	MC	K	B
47.	E1	MC	H	B
48.	E4	NR	U	-0.08
49.	E2	MC	H	D
50.	E3	MC	U	D
51.	E5	MC	U	C
52.	D13	MC	U	C
53.	D14	TF	K	A
54.	D10	MT	U	G
55.	D12	MT	U	A
56.	D14	MT	U	D
57.	D10, D11	NR	U	20.40
58.	D11	MC	U	B
59.	D10, D11	MC	U	A
60.	D13	MC	H	D

**Question Type Categories:**

**MC** — Multiple Choice

**MT** — Matching

**NR** — Numerical Response

**TF** — True and False