

Applications of Mathematics 10
2008/09 Released Exam
October 2008 — Form A
 Provincial Examination — Answer Key

Cognitive Processes	Weightings	Question Types
K = Knowledge	13.3%	52 = Multiple Choice (MC)
U = Understanding	73.3%	8 = Numerical Response (NR)
H = Higher Mental Processes	13.3%	

Topics	Prescribed Learning Outcomes (PLOs)	Weightings
1. Number	A	25%
2. Patterns and Relations	B	25%
3. Shape and Space	C	38%
4. Statistics and Probability (Data Analysis)	D	12%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	A	K	1	1	A3	MC
2.	D	U	1	1	A2	MC
3.	A	U	1	1	A4	MC
4.	C	U	1	1	A4	MC
5.	89.05	U	1	1	A2	NR
6.	C	U	1	1	A2	MC
7.	B	U	1	1	A2	MC
8.	C	U	1	1	A2	MC
9.	D	U	1	1	A3	MC
10.	B	H	1	1	A2	MC
11.	148.41–148.42	U	1	1	A3	NR
12.	B	K	1	1	A3	MC
13.	B	U	1	1	A2	MC
14.	B	U	1	1	A4	MC
15.	C	H	1	1	A1	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
16.	D	K	1	2	B1	MC
17.	D	U	1	2	B5	MC
18.	D	U	1	2	B6	MC
19.	300	U	1	2	B3	NR
20.	D	U	1	2	B4, B2	MC
21.	A	U	1	2	B2, B3	MC
22.	A	H	1	2	B3	MC
23.	C	U	1	2	B4	MC
24.	B	U	1	2	B4	MC
25.	C	K	1	2	B4	MC
26.	C	U	1	2	B4	MC
27.	26	U	1	2	B6	NR
28.	A	U	1	2	B2	MC
29.	B	U	1	2	B2, B6	MC
30.	B	U	1	2	B6	MC
31.	C	K	1	3	C4	MC
32.	C	U	1	3	C7	MC
33.	B	U	1	3	C8	MC
34.	295	U	1	3	C6	NR
35.	A	H	1	3	C5	MC
36.	D	U	1	3	C6, C7	MC
37.	A	U	1	3	C7, C8	MC
38.	B	H	1	3	C5	MC
39.	A	K	1	3	C3	MC
40.	50.67 – 50.75	U	1	3	C3	NR
41.	C	U	1	3	C3	MC
42.	D	U	1	3	C2	MC
43.	C	U	1	3	C1, C8	MC
44.	B	H	1	3	C1, C8	MC
45.	B	U	1	3	C1, C8	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
46.	B	U	1	3	C10	MC
47.	A	K	1	3	C9	MC
48.	10.81 – 10.82	U	1	3	C9	NR
49.	C	U	1	3	C10	MC
50.	D	U	1	3	C11	MC
51.	D	U	1	3	C11	MC
52.	B	U	1	3	C12	MC
53.	A	H	1	3	C12	MC
54.	D	U	1	4	D3	MC
55.	A	K	1	4	D1	MC
56.	A	U	1	4	D4	MC
57.	0.90 – 0.91	U	1	4	D2	NR
58.	B	H	1	4	D4	MC
59.	A	U	1	4	D1	MC
60.	C	U	1	4	D3	MC