

MATHEMATICS

Calculator-free

ATAR course examination 2018

Marking Key

Marking keys are an explicit statement about what the examining panel expect of candidates when they respond to particular examination items. They help ensure a consistent interpretation of the criteria that guide the awarding of marks.

The examining panel provide a provisional marking key. The marking key is refined or modified as necessary in the light of sample marking and discussion between the chief examiner and the chief marker.

Section One: Calculator-free

XX% (XX marks)

Question 1

(x marks)

(a) (i)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(ii)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(b) (i)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(ii)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

Question 2

(x marks)

Solution
Specific behaviours
✓
✓

(a)

(x marks)

Solution
Specific behaviours
✓
✓

(b)

(x marks)

Solution
Specific behaviours
✓
✓

(i)

(c)

(x marks)

Solution
Specific behaviours
✓
✓

(ii)

(x marks)

Solution
Specific behaviours
✓
✓

(iii)

Question 3

(x marks)

(a)

(x mark)

Solution	
Specific behaviours	
✓	
✓	

(b)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(c)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(d)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

Question 8

(x marks)

(a)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(b)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(c)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(d)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

Question 4

(a) (i)

(x marks)

Solution
Specific behaviours
↗ ↘

(x marks)

(ii)

Solution
Specific behaviours
↗ ↘

(x marks)

(b)

Solution
Specific behaviours
↗ ↘

(x marks)

(c)

Solution
Specific behaviours
↗ ↘

(x marks)

(d)

Solution
Specific behaviours
↗ ↘

Question 7

(a) (i)

(x marks)

Solution
Specific behaviours
↗ ↘

(x marks)

(ii)

Solution
Specific behaviours
↗ ↘

(x marks)

(b)

Solution
Specific behaviours
↗ ↘

(x marks)

(c)

Solution
Specific behaviours
↗ ↘

(x marks)

(d)

Solution
Specific behaviours
↗ ↘

Question 5

(x marks)

(a)

(x marks)

Solution	
Specific behaviours	
✓	

(b)

(i)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(ii)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(iii)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

Question 6

(x marks)

(a) (i)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(ii)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(b)

(i)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(ii)

(x marks)

Solution	
Specific behaviours	
✓	
✓	

(c)

(x marks)

Solution	
Specific behaviours	
✓	
✓	