EXAMINATIONS COUNCIL OF ESWATINI
Eswatini General Certificate of Secondary Education

MATHEMATICS **6880/01**

Paper 1 Non-Calculator Short-Answer Questions
(Core and Extended)

October/November 2019

Confidential

MARK SCHEME

{6880/01}

MARKS: 60

This document consists of **7** printed pages.

Question	Answer	Marks
1 (a)	1 060 405	1
(b)	20	1
2 (a)	47 270	1
(b)	3860	1
3	0100hrs	2
4 (a)	24	1
(b)	All bars correct	3
5 (a)	$\begin{pmatrix} -1 \\ 0 \end{pmatrix}$	1
(b)	$\begin{pmatrix} 8 \\ -6 \end{pmatrix}$	1
6	$x =$ (E) 84.75	1
	$y = 11$	2
7 (a)	Pentagonal prism	1
(b)(i)	Correct bisector of KL with arcs	2
(ii)	Correct bisector of angle KNM with arcs	2
8 (a)	64	2
(b)	200	2
9 (a)	$f(x) = \frac{x}{2} + 3$	1
(b)	$f^{-1}(x) = 5x - 35$	3
10	4 : 3	2
11	$\frac{5}{6}, \frac{2}{3}, \frac{3}{5}, \frac{1}{2}, \frac{7}{30}$	2
12	12	2
13(a)	Line through (-5, -1) and (1, 5)	2
(b)	$x = -1$ and $y = 3$	B1B1
14(a)	E60	2
(b)	$83\frac{1}{3}\%$	3
15 (a)	$30 - p$	2

	(b)	5	1
16	**(a)**	090°	1
	(b)	230°	3
17	**(a)**	$2, -2, -6, -10$	2
	(b)	$(x-8)(x+7)$	2
18	**(a)**	Vertices P_1(-3,4), Q_1(-6,4), R_1(-5,2), S_1(-2,2) joined	3
	(b)	Vertices P_2 (-3,-4), Q_2(-6,-4), R_2(-5,-2), S_2(-2,-2) joined	3