

EXAMINATIONS COUNCIL OF ESWATINI Eswatini General Certificate of Secondary Education

MATHEMATICS 6880/02

Paper 2

SPECIMEN PAPER

October / November 2021 - 2023

MARK SCHEME

{6880/02}

Confidential

This paper consists of 2 printed pages.

Qn. No.	Solution	Mark	Total	Comment
1	(a) -8, -13 (b) Subtract 5 (c) 17 - 5×20 = -83	B1,B1 B1 B1 B1	5	
2	(a)(i) $x^2 - 2x - 15$ (ii) $11x - 13$ (b) $\frac{-x-7}{6}$	B2 B2 B3	7	M1 for x^2 -5x +3x - 15 M1 for correct removal of brackets M2 for $\frac{2x-4-3x-3}{6}$ M1 for use of denominator
3	(a)(i) 17.86 (ii) $b = \frac{2A}{h} - a$ (b) $\frac{y}{3}$	B2 B2 B1	8	B1 for substituting into formula correctly B1 for correctly multiplying by 2 (to get 2A=ah +bh)
	(c) 0.0047256cm	В3		B2 finding k=10 B1 for $0.4 = \frac{k}{5^2}$
4	(a) 113.(0954825) (b)(i) Triangular Prism	B4 B1		B1 for $\pi \times 4 \times 5$ B1 for $\pi \times 4^2$ B1 for either 62.83 or 50.26 seen
	(ii) net with 2 triangles and 3 rectangles	B2	7	Less 1mark for each missing face
5	(a) 17, 5, 9, 10, 6, 3 (b) 1, 3	B3 B1, B1		Less 1 mark for a wrong frequency
	(c) 20 10 0 1 2 3 4 5 6	B2	7	Less 1 mark for each wrong bar.
6	(a) 86 km (b) 090° (c)(i) 71.8°	B2 B1 B2	8	M1 for $\sqrt{27^2 + 82^2}$ (=86.33)

to 100 mins and 5 km Line going down with gradient 30 km/hr from (100,5) to (110, 0)	B1		