

Academic Year	2023/2024
العام الدراسي	
Term	1
الفصل	
Subject	Mathematics/Reveal
المادة	الرياضيات/ريفييل
Grade	10
الصف	
Stream	Advanced
المسار	المتقدم
Number of MCQ عدد الأسئلة الموضوعية	15
Marks of MCQ درجة الأسئلة الموضوعية	4
Number of FRQ عدد الأسئلة المقالية	5
Marks per FRQ الدرجات للأسئلة المقالية	(7-9)
Type of All Questions نوع كافة الأسئلة	الأسئلة الموضوعية / MCQ/
	الأسئلة المقالية / FRQ/
Maximum Overall Grade الدرجة القصوى، الممكنة	100
Exam Duration - مدة الامتحان	150 minutes
Mode of Implementation - طريقة التطبيق	Paper-Based
Calculator	Allowed
الآلة الحاسبة	مسموحة

Question*		Learning Outcome/Performance Criteria**	Reference(s) in the Student Book ( English Version)	
			المرجع في كتاب الطالب (النسخة الانجليزية)	
السؤال *		نتائج التعلم / معاييرالأداء**	Example/Exercise	Page
			مثال /تمرين	الصفحة
الأسئلة الموضوعية - MCQ	1	Subtract polynomials	15 to 26	635
	2	Multiply binomials by using the Distributive Property and the FOIL Method	1 to 23	649, 650
	3	Multiply binomials by applying the pattern formed by squares of sums or differences	1 to 14	657
	4	Factor polynomials by using the Distributive Property and grouping	11 to 25	665
	5	Factor trinomials that are perfect squares	18 to 41	679, 680
	6	Factor binomials that are differences of squares	1 to 17	679
	7	Prove and use theorems about the properties of parallelograms	1 to 8	71
	8	Recognize and apply the properties of rectangles	1 to 14	87
	9	Recognize and apply the properties of rhombi and squares	1 to 10	95
	10	Apply the properties of trapezoids and use coordinate geometry to find lengths and endpoints of midsegments	1 to 12	105, 106
11	Determine whether two figures are similar	1 to 10	127, 128	
12	Use the AA Similarity criterion to solve problems and prove triangles similar	1 to 13	133, 134	
13	Use the SSS and SAS Similarity criteria to solve problems and prove triangles similar	1 to 11	139	
14	Use the Pythagorean Theorem to solve problems involving right triangles.	26 to 35	173	
15	Understand that by similarity, side ratios in 45°-45°-90° right triangles are related to the angles in the triangles	1 to 18	183	
		33 to 38	185	
الأسئلة المقالية - FRQ				
	16	Multiply polynomials by monomials	1 to 22	641, 642
	17	Prove and use the Polygon Interior Angles Sum Theorem	1 to 6	63
	18	Use the tests for parallelograms to determine whether quadrilaterals are parallelograms	1 to 15	79, 80
	19	Use scale factors to calculate the dimensions of dilated images	1 to 18	119, 120
Represent dilations as functions and find the scale factors of dilations				
20	Classify triangles using the converse of the Pythagorean Theorem	15 to 22	172	
*	Questions might appear in a different order in the actual exam.			
*	قد تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي.			
**	As it appears in the textbook, LMS, and (Main_IP).			
**	كما وردت في كتاب الطالب وLMS والخطة الفصلية .			

