

This image shows a full page of dot grid paper. It features approximately 20 horizontal rows of small black dots. Each row contains about 60 dots, evenly spaced across the width of the page. The dots are arranged in a precise grid pattern, typical of stationery used for writing or drawing. There are no margins, text, or other markings on the page.

A grid of 10 rows of dots. The first three rows are full. The fourth row has a gap of 35 dots at the beginning. The fifth, sixth, and seventh rows are full. The eighth row has a gap of 35 dots at the beginning. The ninth and tenth rows are full.

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This image shows a full page of dot grid paper. It features horizontal rows of small black dots spaced evenly apart. A single vertical line runs down the right side of the page, creating a narrow margin. The background is white, and the dots are arranged in a precise grid pattern across the entire surface.

$$C(x) = 9(x - 2)^2 - 4(x - 3)^2$$

[illegible]

(3) استنتج حل كل من المعادلتين: $A(x) = 0$ و $C(x) = 0$

A grid of dots arranged in 10 rows and 20 columns. A vertical line is drawn between the 10th and 11th columns, and a horizontal line is drawn between the 5th and 6th rows. The intersection of these lines is at the center of the grid.

4- ادرس إشارة $A(x)$.

التمرين الثاني:

إليك جدول تغيرات دالة f معرفة على مجال D

x	-3	-1	0	1	2	5	9
$f(x)$	1		3		-3		2
	↘	↗	↘	↗	↗	↗	
		0		0		0	

(1) عين D مجموعة تعريف الدالة f ؟ ثم عين صور الأعداد -1 , 0 , 2 و 9؟

(2) ما هي سوابق العدد 0؟ كم سابقة للعدد 1؟

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(3) عين القيمة الكبرى و القيمة الصغرى للدالة f ؟ ثم استنتج العددين a و b حيث : $a \leq f(x) \leq b$ ؟

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(4) مثل بيانيا الدالة f في المستوي المنسوب إلى معلم متعامد و متجانس $(O; \vec{i}, \vec{j})$ ؟



(5) حل بيانيا المتراجحة : $f(x) \geq 0$