



امتحان نهاية الفصل الدراسي الأول 2025/2024 – الجزء الورقي

End of Term 1 Exam 2024/2025 – Paper Part

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المدرسة	School
الصف	Class
المسار	Stream
المادة	Subject
	7
	المتقدم / Advanced
	الرياضيات / Mathematics
	Reveal

This table must be filled in accurately by the marking committee

يملأ هذا الجدول بدقة تامة من قبل لجنة التقدير

المراجع Reviewer	المقدّر 2 Marker 2	المقدّر 1 Marker 1	رقم السؤال Question No.
الاسم Name	الدرجة Mark	الاسم Name	الدرجة Mark
			Q.(1)
			Q.(2)
			Q.(3)
			Q.(4)
			Q.(5)

المراجع Reviewer	المقدّر Marker	المجموع Total
الاسم Name	الاسم Name	
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		40



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Paper Part

Show all your work when answering these questions.

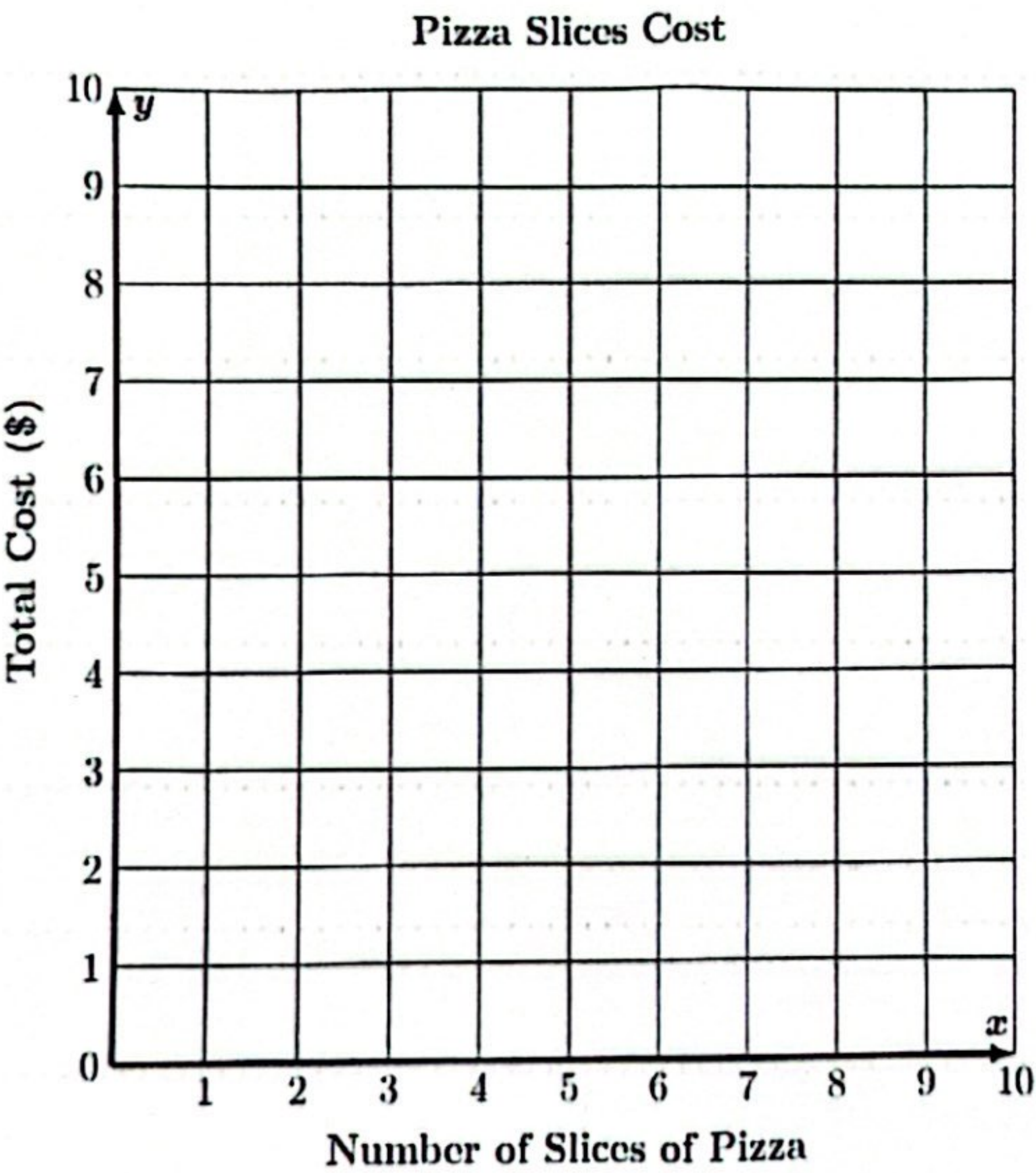
Question

1

Number of Slices	0	1	2	3
Total Cost (\$)	0	2	4	6

The table shows the number of slices of pizza and their equivalent cost.

- a) Determine whether the cost is proportional to the number of slices of pizza by graphing the relationship on the coordinate plane. Explain your reasoning.



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- b) What does the point (1,2) represent in the above graph?

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Question	2
<p>A racing car traveled 120 kilometers in 40 minutes at a constant rate.</p> <p>A penny was dropped from a skyscraper and traveled 60 kilometers in $\frac{1}{2}$ hour at a constant rate.</p> <p>Which of these objects has a faster unit rate per hour? Explain your answer.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	



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Question

3

	Offer
Rashed	A commission of 15% on his weekly sales.
Ahmad	A weekly salary of \$ 450 plus 16% commission on his weekly sales over \$ 4,000.

The table shows Rashed and his friend Ahmad's weekly salaries.

One week, Rashed and Ahmad each have sales of \$ 9,500.

Who earned more money that week? How much more? Explain your answer.

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Question

4

a) Evaluate.

$$4(-5)(-3) - (-10)$$

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b) If $a = -2$, $b = -6$, $c = 9$, and $d = -8$, evaluate the following expression.

$$\frac{ac}{b} + (a - d)$$

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Question

5

If $x = -0.4$, $y = 0.25$, and $z = 2\frac{1}{2}$, evaluate the following expression.

$$\frac{1}{2}xyz$$

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End of Questions