20 Didapati 30% biji mangga daripada 4 guni mangga telah rosak. Jika setiap guni mengandungi 30 biji mangga, hitung kebarangkalian memilih sebiji mangga yang masih elok secara rawak.
It is found that 30% mangoes from 4 sacks of mangoes are rotten. If each sack contains 30 mangoes, calculate the probability of choosing a good mango at random.

A $\frac{2}{15}$ **C** $\frac{1}{2}$

B 0.3 **D** 0.7

Bahagian B/*Section B*
[20 *markah/marks*]

Jawab **semua** soalan.
*Answer **all** questions.*

21 (a) Pada ruang jawapan, lengkapkan jujukan nombor.
In the answer space, complete the number sequence.

[2 markah/*marks*]

Jawapan/*Answer:*

92, 85, ☐, 71, 64, ☐, ...

(b) Rajah 14 menunjukkan sebuah poligon sekata.
Diagram 14 shows a regular polygon.



Rajah 14/*Diagram 14*

Lengkapkan Jadual 1 berdasarkan Rajah 14.
Complete Table 1 based on Diagram 14.

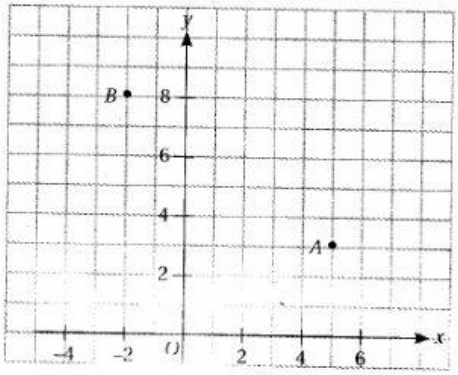
[2 markah/*marks*]

Jawapan/*Answer:*

Bilangan bucu/*Number of vertices*	
Bilangan paksi simetri/ *Number of axes of symmetry*	

Jadual 1/*Table 1*

22 (a) Rajah 15 menunjukkan titik *A* dan *B* pada satah Cartes.
Diagram 15 shows the points A and B on a Cartesian plane.



Rajah 15/*Diagram 15*

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Tentukan titik yang manakah mewakili koordinat berikut.
Determine which point represents the following coordinates.

[2 markah/*marks*]

Jawapan/*Answer*:

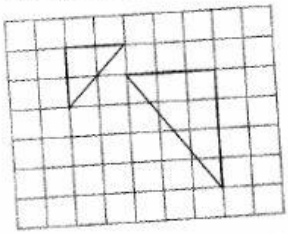
(i)	(–2, 8)	
(ii)	(5, 3)	

(b) Tentukan sama ada setiap pasangan poligon yang berikut adalah kongruen atau tidak. Bulatkan jawapan yang betul.
Determine whether each of the following pairs of polygons are congruent or not. Circle the correct answer.

[2 markah/*marks*]

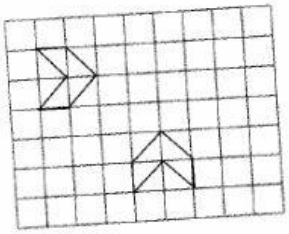
Jawapan/*Answer*:

(i)



Ya/*Yes*
Tidak/*No*

(ii)

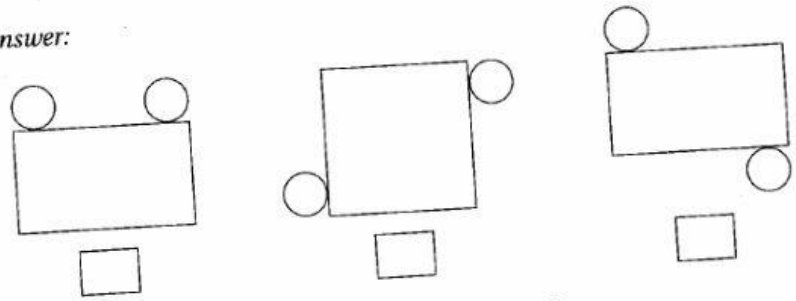


Ya/*Yes*
Tidak/*No*

23 (a) Pada ruang jawapan, tandakan (✓) pada bentangan silinder yang betul.
In the answer space, mark (✓) for the correct net of a cylinder.

[2 markah/*marks*]

Jawapan/*Answer*:



(b) Tuliskan **Benar** atau **Palsu** bagi setiap titik tengah yang berikut.
*Write **True** or **False** for each of the following midpoints.*

[2 markah/*marks*]

Jawapan/*Answer*:

	Titik A/*Point A*	Titik B/*Point B*	Titik tengah/*Midpoint*	Jawapan/*Answer*
(i)	(5, –3)	(3, –1)	(4, 2)	
(ii)	(–6, 7)	(–4, 5)	(–5, 6)	

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24 (a) Lengkapkan Jadual 2 di ruang jawapan bagi fungsi $y = x + 8$.
Complete Table 2 in the answer space for the function $y = x + 8$.

[2 markah/*marks*]

Jawapan/*Answer:*

x	0	1	2	3	4	5
y	8	9		11		13

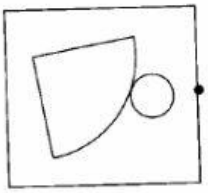
Jadual 2/*Table 2*

(b) Padankan bentangan berikut dengan nama bentuk geometri yang betul.
Match the following nets with the correct name of geometrical shape.

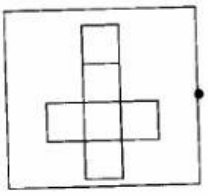
[2 markah/*marks*]

Jawapan/*Answer:*

(i)



(ii)



Kubus
Cube

Piramid
Pyramid

Kon
Cone

25 (a) Tandakan (✓) bagi translasi yang betul dan (✗) bagi translasi yang salah.
Mark (✓) for the correct translation and (✗) for the incorrect translation.

[2 markah/*marks*]

Jawapan/*Answer:*

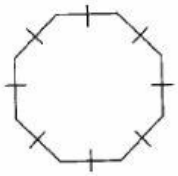
	Objek/*Object*	**Imej/*Image***	**Translasi/*Translation***	**Jawapan/*Answer***
(i)	(1, 8)	(–1, 13)	$\begin{pmatrix} -2 \\ 5 \end{pmatrix}$	
(ii)	(0, –4)	(5, –1)	$\begin{pmatrix} 5 \\ -3 \end{pmatrix}$	

(b) Tentukan sama ada setiap poligon berikut ialah poligon sekata atau poligon tak sekata.
Determine whether each of the following polygons is a regular polygon or an irregular polygon.

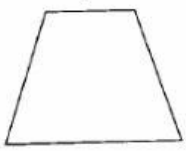
[2 markah/*marks*]

Jawapan/*Answer:*

(i)



(ii)



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