

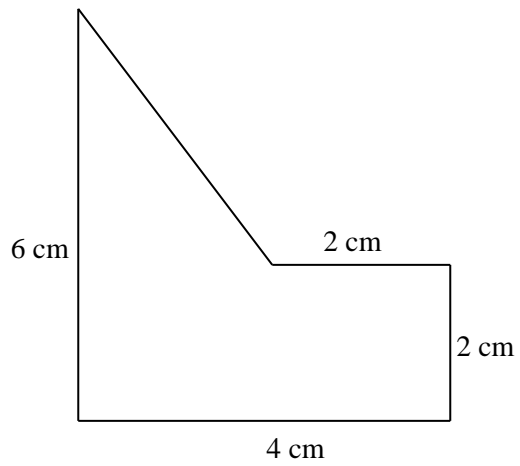
Bahagian B

No	Skema Pemarkahan	Markah	
12	<p>(a) $y = 6$, $y = -8$</p> <p>(b)</p> <p style="text-align: center;"> Axes are drawn in correct direction, uniform scale for x-axis and y-axis 9 points plotted accurately Smooth and continuous curve without straight line(s) and passes through all the 9 correct points </p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p>Note : i) 6 or 7 points plotted correctly, award 1 mark ii) Other scale being used, subtract 1 mark from the mark obtained</p> </div> <p>(c) i) $y = -3.4$ ii) $x = -1.2$</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;"> <p>Note : Do not accept the values of x and y obtained by calculation</p> </div> <p>(d) The equation of straight line, $y = -3x + 1$ Straight line $y = -3x + 1$ drawn correctly $x = -1.85, 2.15$</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;"> <p>Note : Do not accept the valu(s) of x obtained by calculation</p> </div>	P1P1	
		P1 K2 N1	
		N1 N1	
		K1 K1 N1N1	12

13	<p>(a) (i) $M(5, 0) \longrightarrow (5, 6) \longrightarrow (8, 5)$</p> <p>(ii) $M(5, 0) \longrightarrow (3, 4) \longrightarrow (3, 2)$</p> <p>(b) (i) Pantulan pada garis lurus $y = x$</p> <p>(ii) Pembesaran pada pusat $(4, -1)$ dengan faktor skala 3</p> <p>(c) $3^2 \times \text{Luas}_{LMN} = 56$ $\text{Luas}_{LMN} = 6.22 \text{ cm}^2$ $\text{Luas kawasan berlorek} = 56 - 6.22$ $= 49.78 \text{ cm}^2$</p>	<p>P1P1</p> <p>P1P1</p> <p>P1P1</p> <p>P1P1P1</p> <p>K1</p> <p>K1</p> <p>N1</p>	<p>12</p>																								
14	<p>(a)</p> <table border="1" data-bbox="311 847 1235 1163"> <thead> <tr> <th>Masses (kg) <i>Jisim (kg)</i></th> <th>Kekerapan <i>Frequency</i></th> <th>Titik tengah <i>Midpoint</i></th> </tr> </thead> <tbody> <tr> <td>15 – 19</td> <td>3</td> <td>17</td> </tr> <tr> <td>20 – 24</td> <td>6</td> <td>22</td> </tr> <tr> <td>25 – 29</td> <td>5</td> <td>27</td> </tr> <tr> <td>30 – 34</td> <td>9</td> <td>32</td> </tr> <tr> <td>35 – 39</td> <td>8</td> <td>37</td> </tr> <tr> <td>40 – 44</td> <td>5</td> <td>42</td> </tr> <tr> <td>45 – 49</td> <td>4</td> <td>47</td> </tr> </tbody> </table> <p style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;">Nota : Kekerapan 5 atau 6 betul (1m sahaja)</p> <p>b)</p> $\frac{3(17) + 6(22) + 5(27) + 9(32) + 8(37) + 5(42) + 4(47)}{40}$ $= 32.5$ <p>(c) Paksi dilukis pada arah yang betul dengan skala seragam dan paksi mengufuk dilabel dengan titik tengah</p> <p>Semua titik ditanda dengan betul dan disambung dengan pembaris</p> <p>Kedua-dua hujung poligon ditutup pada tempat yang betul.</p> <p>(d) 14 kotak</p>	Masses (kg) <i>Jisim (kg)</i>	Kekerapan <i>Frequency</i>	Titik tengah <i>Midpoint</i>	15 – 19	3	17	20 – 24	6	22	25 – 29	5	27	30 – 34	9	32	35 – 39	8	37	40 – 44	5	42	45 – 49	4	47	<p>P1P2P1</p> <p>K2</p> <p>N1</p> <p>P1</p> <p>K2</p> <p>K1</p> <p>N1</p>	<p>12</p>
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15

(a)



Bentuk betul dan semua garis padu

Ukuran betul $\pm 0.2cm$

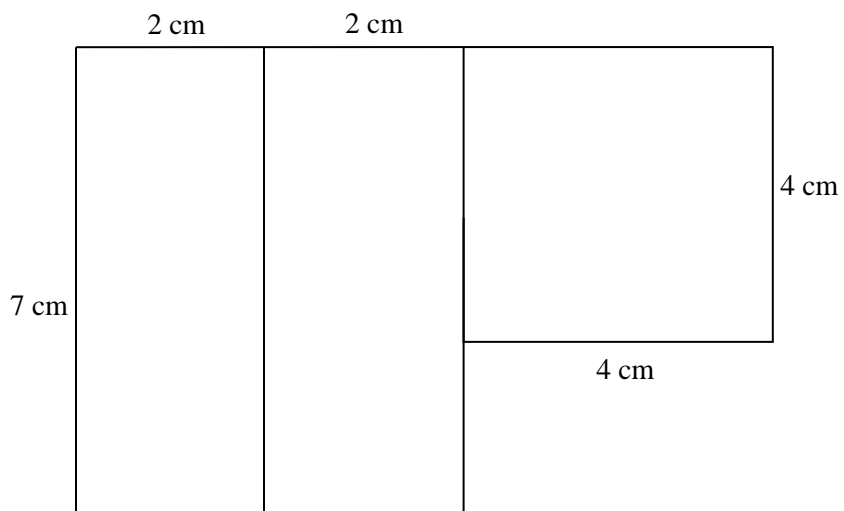
Sudut pada bucu $90^\circ \pm 1^\circ$

K1

K1

K1

(b) i)



Bentuk betul dan semua garis padu.

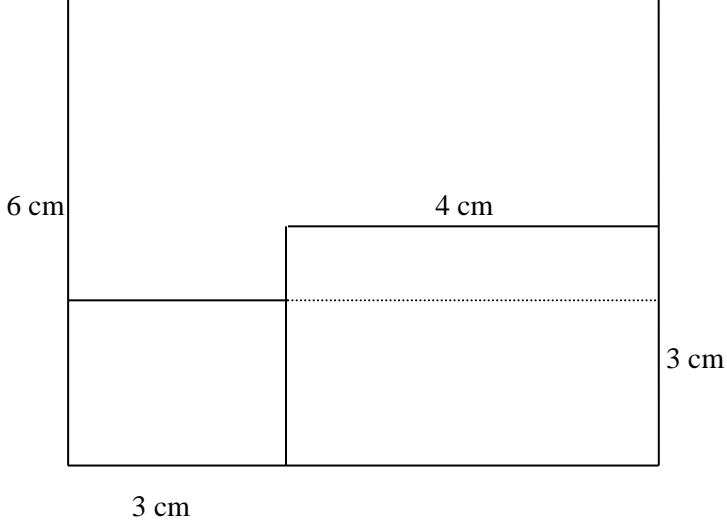
Ukuran betul $\pm 0.2cm$

Sudut pada bucu $90^\circ \pm 1^\circ$

K1

K2

K1

	<p>ii)</p>  <p>Bentuk betul dan semua garis padu.</p> <p>Garis putus-putus dilukis</p> <p>Ukuran betul $\pm 0.2\text{cm}$</p> <p>Sudut pada bucu $90^\circ \pm 1^\circ$</p>	<p>K1</p> <p>K1</p> <p>K2</p> <p>K1</p>	<p>12</p>
<p>16</p>	<p>(a) $(0^\circ, 145^\circ B)$</p> <p>(b) Bezaan longitude = $\frac{2160}{60}$ $= 36^\circ$ Longitude $Q = 145^\circ - 36^\circ$ $= 109^\circ B$</p> <p>(c) $(90 - 48) \times 60$ $= 2520 \text{ n.m}$</p> <p>(d) Jarak $KL = 36 \times 60 \text{ Cos}48 = 1445.32 \text{ n.m}$ Jarak $LQ = 48 \times 60 = 2880 \text{ n.m}$</p> <p>Jumlah masa = $\frac{1445.32 + 2880}{450}$ $= 9.61 \text{ jam/ } 9 \text{ jam } 37 \text{ min}$</p>	<p>P2</p> <p>K1</p> <p>K1</p> <p>N1</p> <p>K2</p> <p>N1</p> <p>K1</p> <p>K1</p> <p>K1</p> <p>N1</p>	