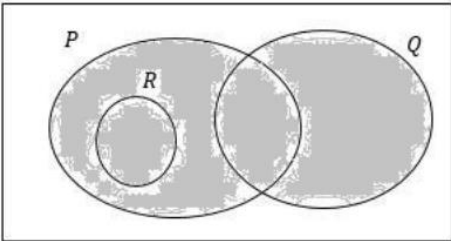
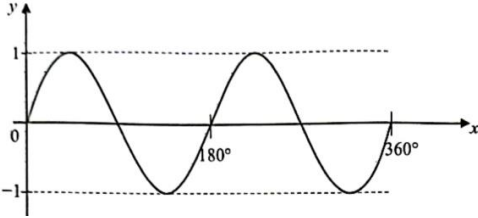


<p>1.</p>	<p>a) <math>x &lt; 11</math>  <math>y &lt; x</math>  <math>3y \geq x</math></p> <p>b) nilai maximum = 11</p>	<p>1 1 1 1</p>
<p>2.</p>	<p><math>x + y \leq 15</math>  <math>x &gt; 30</math>  <math>y \geq 3x</math></p>	<p>1 1 1</p>
<p>3.</p>	<p>(a) Subset <math>K = \{4\}, \{9\}, \{14\}, \{4,9\}, \{4,14\}, \{9,14\}, \{4,9,14\}, \{ \}</math>                  Bilangan subset = 8</p> <p>(b)</p>  <p>(c) (i) <math>P'</math>                  (ii) <math>P \cup Q \cap R</math></p>	<p>2 1 2 1 2</p>
<p>4.</p>	<p>(a) <math>\tan 55 = \frac{12}{x}</math> atau setara                  8.4</p>	<p>2 1</p>
<p>5.</p>	<p>(a) (i) -0.8988                  (ii) 2.050 atau <math>64^\circ</math>  <math>244^\circ</math></p> <p>(b) (i)</p>  <p>Bentuk yang betul <math>0^\circ \leq x \leq 360^\circ</math>                  2 Kitaran                  Amplitud betul</p> <p>(ii) <math>180^\circ</math></p>	<p>1 1 1 1 1 1 1 1</p>

<p>6.</p>	<p>a) <math>p + q = 6</math>  <math>3p - 2q = 33</math></p> $\begin{bmatrix} 1 & 1 \\ 3 & -2 \end{bmatrix} \begin{bmatrix} p \\ q \end{bmatrix} = \begin{bmatrix} 6 \\ 33 \end{bmatrix}$ $\frac{1}{(1)(-2)-(1)(3)} \begin{bmatrix} -2 & -1 \\ -3 & 1 \end{bmatrix} \begin{bmatrix} 6 \\ 33 \end{bmatrix}$ <p><math>p = 9, q = -3</math>  beza = <math>9 - (-3) = 12</math></p> <p>b) <math>-\frac{3}{2}</math></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
<p>7</p>	<p>a) <math>x = -3</math></p> <p>b) <math>M_{RS} = M_{TU} = 2</math>  <math>-7 = 2(-8) + c</math>  <math>y = 2x + 9</math>  pintasan-<math>y = 9</math></p> <p>c) <math>3 \quad 2(-5) + 9</math>  <math>3 \neq 1</math>  Titik K tidak berada pada garis lurus TU.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
<p>8.</p>	<p>a) <math>40_7 = 28</math>  <math>1000_3 = 27</math>  <math>28 + 25 + 27 = 80_{10}</math>  <math>= 310_5</math></p> <p>b) Kotak B</p>	<p>1</p> <p>1</p> <p>1,1</p> <p>1</p> <p>1</p>
<p>9</p>	<p>(a) Jika luas segi empat sama RSTU bukan <math>81 \text{ cm}^2</math>, maka panjang sisi segi empat sama RSTU bukan <math>9 \text{ cm}</math>.  Benar</p> <p>(b) <math>\frac{1}{3(n^{n-1})}</math>, <math>n = 1, 2, 3, \dots</math></p> <p>(c) <math>13</math>  <math>3n + 1, n = 1, 2, 3, \dots</math></p>	<p>1</p> <p>1</p> <p>1, 1</p> <p>1</p> <p>1, 1</p>
<p>10</p>	<p><math>x^2 + 8x - 480 = 0</math>  <math>(x - 12)(x + 40) = 0</math>  <math>x = 12</math>  149</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>

11	$2x^2 + 5x - 52 = 0$ $(2x + 13)(x - 4) = 0$ $x = -\frac{13}{2}, x = 4$ <p>8</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>
12	<p>(a) Aliran tunai bulanan / Monthly cash flow</p> $= (\text{RM } 3200 + \text{RM } 350) - (\text{RM } 1850 + \text{RM } 700 + \text{RM } 400)$ $= \text{RM } 600$ <p>(b) Aliran tunai positif</p> <p>Ada lebih pendapatan sebanyak RM 600</p> <p>(c) Aliran tunai bulanan / Monthly Cash flow</p> $= \text{RM } 3300 - \text{RM } 3315 - \text{RM } 400$ $= - \text{RM } 415$ <p>Aliran tunai negatif / Negative Cash flow</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
13	$\frac{90}{100} \times 600\,000 \text{ atau } 540\,000$ $75\,000 = \left[ \frac{400\,000}{540\,000} \times x \right] - (5\,000)$ <p>108 000</p>	<p>1</p> <p>1, 1</p> <p>1</p>
14	$70\,085.70 \times \frac{3}{100} \times 9$ $\frac{70\,085.70 + 18\,923.14}{108}$ <p>824.16</p>	<p>1</p> <p>1</p> <p>1</p>
15	$1\,400 \times 12 \text{ atau } 16\,800$ $18\,000 \times \frac{8}{100} \text{ atau } 1\,440$ $16\,800 \times \frac{6.5}{100} \text{ atau } 1\,092$ $1\,440 + 1\,092 \text{ atau } 2\,532$ <p>1 266</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>

<p>16</p>	<p>(a) 175.5                  (b) <math>\frac{172+173}{2}</math> atau <math>\frac{178+179}{2}</math> atau 172.5 atau 178.5   <math>178.5 - 172.5</math>  <math>6</math></p>	<p>1 1 1 1</p>																																								
<p>17</p>	<p>(a) (i) <math>\frac{43+46+38+42+48+36+43+45}{8}</math> atau <math>\frac{44+37+38+49+35+48+44+43}{8}</math>   <math>\frac{341}{8}</math> atau <math>\frac{338}{8}</math> atau setara                   (ii)  <math display="block">\sqrt{\frac{[(43-42.625)^2 + (46-42.625)^2 + (38-42.625)^2 + (42-42.625)^2 + (48-42.625)^2 + (36-42.625)^2 + (43-42.625)^2 + (45-42.625)^2]}{8}}</math> <p style="text-align: center;">atau</p> <math display="block">\sqrt{\frac{[(44-42.25)^2 + (37-42.25)^2 + (38-42.25)^2 + (49-42.25)^2 + (35-42.25)^2 + (48-42.25)^2 + (44-42.25)^2 + (43-42.25)^2]}{8}}</math> <p style="text-align: center;">atau</p> <math display="block">\sqrt{\frac{43^2 + 46^2 + 38^2 + 42^2 + 48^2 + 36^2 + 43^2 + 45^2}{8} - (42.625)^2}</math> <p style="text-align: center;">atau</p> <math display="block">\sqrt{\frac{44^2 + 37^2 + 38^2 + 49^2 + 35^2 + 48^2 + 44^2 + 43^2}{8} - (42.25)^2}</math> <p>atau <math>\sqrt{\frac{1118.75}{8}}</math> atau <math>\sqrt{\frac{14647}{8} - (42.625)^2}</math> atau <math>\sqrt{\frac{183.5}{8}}</math>                  atau <math>\sqrt{\frac{14464}{8} - (42.25)^2}</math> atau setara</p> <p>3.74 dan 4.79                  (b) Farzana lebih konsisten</p> </p>	<p>1 1 1 1 1, 1 1</p>																																								
<p>18</p>	<p>(a)  <math display="block">\frac{10(1) + 8(2) + 7(3) + 5(4) + 3(5) + 3(6) + 2(7)}{10 + 8 + 7 + 5 + 3 + 3 + 2}</math> <p>3</p> <math display="block">\frac{10(1)^2 + 8(2)^2 + 7(3)^2 + 5(4)^2 + 3(5)^2 + 3(6)^2 + 2(7)^2}{10 + 8 + 7 + 5 + 3 + 3 + 2} - 3^2</math> <p>3.2632</p> <p>(b)</p> <table border="1" data-bbox="319 1769 861 2038"> <thead> <tr> <th></th> <th>I</th> <th>II</th> <th>III</th> <th>IV</th> </tr> <tr> <th>Masa (minit) Time (minutes)</th> <th>Kekerapan Frequency</th> <th>Kekerapan Longgokan Cumulative Frequency</th> <th>Sempadan Atas Upper Boundary</th> <th></th> </tr> </thead> <tbody> <tr> <td>1 – 20</td> <td>5</td> <td>5</td> <td>20.5</td> <td></td> </tr> <tr> <td>21 – 40</td> <td>4</td> <td>9</td> <td>40.5</td> <td></td> </tr> <tr> <td>41 – 60</td> <td>8</td> <td>17</td> <td>60.5</td> <td></td> </tr> <tr> <td>61 – 80</td> <td>6</td> <td>23</td> <td>80.5</td> <td></td> </tr> <tr> <td>81 – 100</td> <td>4</td> <td>27</td> <td>100.5</td> <td></td> </tr> <tr> <td>101 – 120</td> <td>3</td> <td>30</td> <td>120.5</td> <td></td> </tr> </tbody> </table> </p>		I	II	III	IV	Masa (minit) Time (minutes)	Kekerapan Frequency	Kekerapan Longgokan Cumulative Frequency	Sempadan Atas Upper Boundary		1 – 20	5	5	20.5		21 – 40	4	9	40.5		41 – 60	8	17	60.5		61 – 80	6	23	80.5		81 – 100	4	27	100.5		101 – 120	3	30	120.5		<p>1 1 2 1 2</p>
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	<p>(c)</p>	<p>3</p>
<p>19</p>	<p>Lembaga Hasil Dalam Negeri, LHDN / Inland Revenue Board, IRB</p> $120\,000 \times \frac{8}{100} \text{ atau } 9\,600$ $\text{atau } 120\,000 \times \frac{92}{100} \text{ atau } 110\,400$ $120\,000 - 9\,600 - 9\,000 - 2\,500 - 7\,000 - 2\,900$ $4\,600 + 19\,000 \times \frac{21}{100}$ $4\,090$	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
<p>20</p>	<p>(a)</p> $\frac{6}{10}, \frac{6}{9}$ <p>(K, M), (M, K), (M, M)</p> <p>(b) (i)</p> $\frac{4}{10} \times \frac{3}{9}$ $\frac{12}{90} \text{ atau } \frac{2}{15}$ <p>(ii)</p> $\left(\frac{4}{10} \times \frac{3}{9}\right) + \left(\frac{4}{10} \times \frac{6}{9}\right) + \left(\frac{6}{10} \times \frac{4}{9}\right)$ $\frac{20}{30} \text{ atau } \frac{2}{3}$	<p>1, 1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>