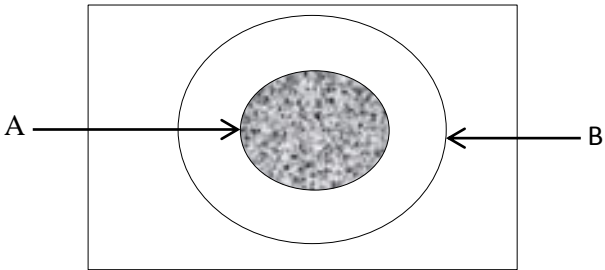
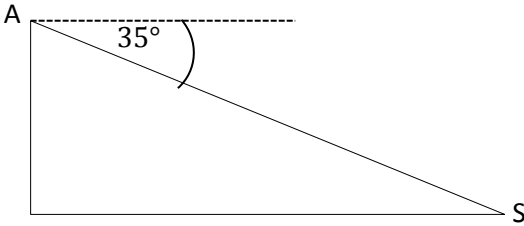


පිළිතුරු පත්‍රය	9 ශ්‍රේණිය	ගණිතය
A කොටස		
02. 7.3×10^4		(උ. 2)
01. $02. 5000 \times \frac{12}{100}$ රු. 600/=	(උ. 1) (උ. 1)	(උ. 2)
03. $AC^2 = 8^2 + 6^2$ $AC^2 = 64 + 36$ $AC = \sqrt{100}$ $= 10$	(උ. 1) (උ. 1)	(උ. 2)
04. $x = 110 - 60$ $x = 50^\circ$	(උ. 1) (උ. 1)	(උ. 2)
05. $x = 3^2$ $x = 9$	(උ. 1) (උ. 1)	(උ. 2)
06. i. $180 - 108$ 72° ii. පාද ගණන $\frac{360}{72}$ <u><u>5</u></u>	(උ. 1) (උ. 1)	(උ. 2)
07. $(x + 7) + (x - 7)$		(උ. 2)
08. $\frac{300}{2000} \times 100\%$ 15%	(උ. 1) (උ. 1)	(උ. 2)
09. $x \leq y$		(උ. 2)
10. 3 Km		(උ. 2)
11. $5 - 2n$ $5 - 2(15)$ $5 - 30$ -25	(උ. 1) (උ. 1)	(උ. 2)

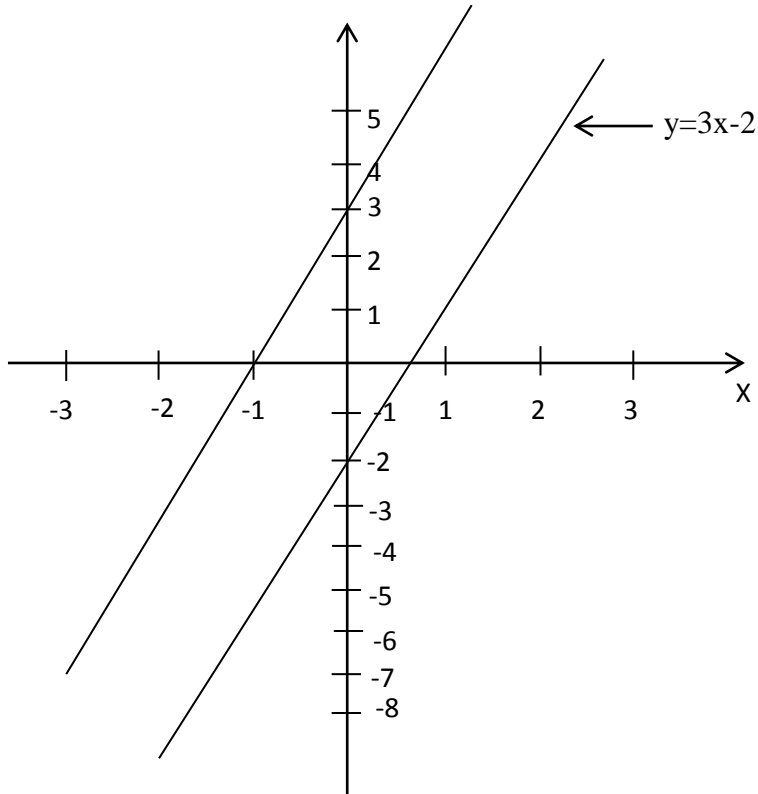
<p>12. 12×30</p> <p><u>$360cm^3$</u></p>	<p>(උ. 1)</p> <p>(උ. 1)</p>	<p>(උ. 2)</p>
<p>13. $\frac{15}{35}$</p> <p>$\frac{3}{7}$</p>	<p>(උ. 1)</p> <p>(උ. 1)</p>	
<p>14. $\frac{a-2}{3} + \frac{2a+5}{3}$</p> <p>$\frac{3a+3}{3}$</p> <p>$\frac{3(a+1)}{3}$</p> <p><u>$(a+1)$</u> මෙයද ගැලපේ.</p>	<p>(උ. 2)</p>	
<p>15.</p>  <p style="text-align: center;">$(A \cap B)$</p>	<p>(උ. 2)</p>	
<p>16. $l = a + (n - 1)d$</p> <p>$\frac{l-a}{a} = n - 1$</p> <p>$\frac{l-a}{d} + 1 = n$</p>	<p>(උ. 1)</p>	<p>(උ. 2)</p> <p>(උ. 1)</p>
<p>17. චර්ගඵලය = $\frac{12+10}{2} \times 8$</p> <p>$\frac{22}{2} \times 8$</p> <p>11×8</p> <p><u>$88cm^2$</u></p>	<p>(උ. 1)</p> <p>(උ. 1)</p>	<p>(උ. 2)</p>
<p>18. $\frac{7}{10} + \frac{3}{5}$ න් $\frac{1}{3}$</p> <p>$\frac{7}{10} + \left(\frac{3}{5} \times \frac{1}{3}\right) = \frac{7}{10} + \frac{1}{5}$</p> <p>$\frac{7+2}{10}$</p> <p><u>$\frac{9}{10}$</u></p>	<p>(උ. 1)</p> <p>(උ. 1)</p>	<p>(උ. 2)</p>

<p>19. රෝදයේ පරිධිය πd</p> $\frac{22}{7} \times 56$ $176cm$ $\frac{17600}{176}$ 100 <p>සත්‍ය වේ.</p>	<p>(උ. 1)</p> <p>(උ. 1)</p>	<p>(උ. 2)</p>
<p>20.</p> 	<p>(උ. 2)</p>	
B කොටස		
<p>01. a)</p> <p>i. 7cm</p> <p>ii. වර්ගඵලය = $\frac{\pi r^2}{2}$</p> $\frac{22 \times 7 \times 7}{7 \times 2}$ $77m^2$ <p>iii. තටාකයේ පතුලේ වර්ගඵලය = $(20 \times 14) + 77$</p> $280 + 77$ $\underline{\underline{357m^2}}$ <p>iv. ජල පරිමාව = 357×1</p> $\underline{\underline{357 m^3}}$ <p>b)</p> <p>$\hat{A}BC = \hat{D}CE$ (අනුරූප කෝණ)</p> <p>$\hat{B}AC = \hat{A}CE$ (ඒකාන්තර කෝණ)</p> <p>$\hat{B}CA + \hat{A}CE + \hat{E}CD = 180^\circ$</p> <p>$\hat{B}CA + \hat{B}AC + \hat{A}BC = 180^\circ$</p>	<p>(උ. 1)</p> <p>(උ. 1)</p> <p>(උ. 1)</p> <p>(උ. 1)</p> <p>(උ. 1)</p> <p>(උ. 1)</p> <p>(උ. 1)</p> <p>(උ. 2)</p> <p>(උ. 1)</p> <p>(උ. 1)</p> <p>(උ. 1)</p> <p>(උ. 2)</p> <p>(උ. 1)</p> <p>(උ. 2)</p> <p>(උ. 1)</p> <p>(උ. 2)</p>	<p>(උ. 1)</p> <p>(උ. 3)</p> <p>(උ. 3)</p> <p>(උ. 3)</p> <p>(උ. 3)</p> <p>(උ. 6)</p>

02.

-1	$3 \times -1 - 2$	-5
0	$3 \times 0 - 2$	-2
1	$3 \times 1 - 2$	1

i.



ii. අනුක්‍රමණය $m = 3$

අන්ත:ඛණ්ඩය $= -2$

iii. සරල රේඛාව ඇඳීම

සමීකරණය $y = 3x + 3$

(උ. 1)
(උ. 1)
(උ. 1)

(උ. 3)

(උ. 4)

(උ. 1)

(උ. 2)

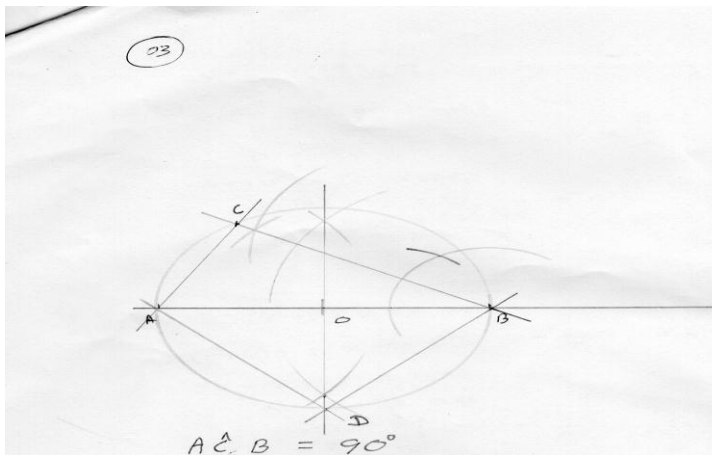
(උ. 1)

(උ. 1)

(උ. 2)

(උ. 1)

03.



(උ. 11)

04. a)

$$5a - 2b = 32 \longrightarrow \textcircled{1}$$

$$a + 2b = 28 \longrightarrow \textcircled{2}$$

$$\textcircled{1} + \textcircled{2} \quad 6a = 60$$

$$a = \frac{60}{6}$$

$$\underline{\underline{a = 10}}$$

$a = 10$ වන විට b සෙවීම

$$5(10) - 2b = 32$$

$$-2 = 32 - 50$$

$$-2b = -18$$

$$\underline{\underline{b = 9}}$$

b) i.

$$2[(x + 6) + (x - 2)] = 72 \quad \text{හෝ}$$

$$2(x + 6) + 2(x - 2) = 72 \quad \text{හෝ ලිවීමට}$$

$$2x + 12 + 2x - 4 = 72$$

$$4x + 8 = 72$$

$$4x = 64$$

$$x = \frac{64}{4}$$

$$x = 16\text{cm}$$

$$\text{දිග} = 16 + 6$$

$$= 22\text{cm}$$

$$\text{පළල} = 16 - 2$$

$$14\text{cm}$$

ii. $(x + 6)(x - 2)$

$$x^2 - 2x + 6x - 12$$

$$\underline{\underline{x^2 + 4x - 12}}$$

(උ. 1)

(උ. 2)

(උ. 1)

(උ. 1)

(උ. 2)

(උ. 1)

(උ. 1)

(උ. 5)

(උ. 1)

(උ. 2)

(උ. 1)

(උ. 2)

(උ. 1)

05.

i.

පන්ති ප්‍රාන්තරය	මධ්‍ය අගය (x)	(f)	fx
12 – 20	16	5	80
21 – 29	25	6	150
30 – 38	34	8	272
39 – 47	43	3	129
48 - 56	52	2	104
57 - 65	61	6	366
		$\sum f = 30$	$\sum fx = 1101$

(උ. 3)

ii. මධ්‍යන්‍යය = $\frac{1101}{30}$ (උ. 1)

= 36.7 (උ. 1)

= 38 (උ. 1)

(උ. 3)

iii. දිනකදී ලැබෙන මධ්‍යන ආදායම

$38 \times 40 = \underline{\underline{1520}}$ (උ. 2)

iv. $1520 \times 60 = 91200$ (උ. 2)

$91200 > 88000$

(උ. 3)

වෙළඳසැල් හිමියාගේ ප්‍රකාශය සත්‍යවේ. (උ. 1)

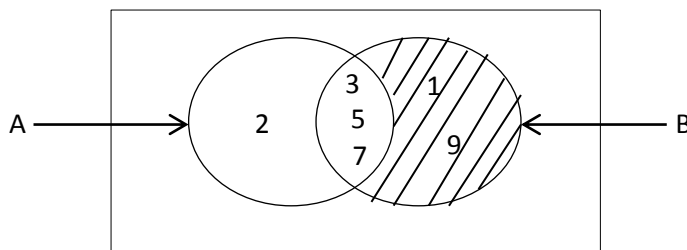
06. a)

i. $A = \{1 \text{ න් } 10 \text{ න් අතර ප්‍රථමක සංඛ්‍යා} \}$ (උ. 2)

ii. $A \cap B = \{3, 5, 7\}$ (උ. 2)

iii. $A \cup B = \{2, 3, 5, 7, 1, 9\}$ (උ. 2)

iv. $A' \cap B$



(උ. 1)

b)

i. රතු බෝලයක් ලැබීමේ සම්භාවිතාවය = $\frac{5}{8}$

(ල. 2)

ii. නිල් බෝලයක් ලැබීමේ සම්භාවිතාවය = $\frac{6}{9} = \frac{2}{3}$

(ල. 2)