

පිළිතුරු පත්‍රය - 2023

9 ශ්‍රේණිය - I පත්‍රය - අවසාන වාර පරීක්ෂණ

(1)  $8500 \times \frac{12}{100}$

ඊ. 1020

(2)  $x^2 - 9y^2$

$(x - 3y)(x + 3y)$

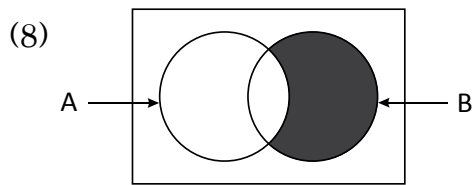
(3)  $\frac{5}{3x} - \frac{3}{3x} = \frac{2}{3x}$

(4)  $x = 105^0$

(5)  $x \geq -1$

(6) 44 cm

(7)  $\frac{1}{26}$



(9)  $x = 3$

(10) 100011 දෙස

(11)  $x^2 - x - 20$

(12)  $a = 14$

(13)  $\frac{3}{7} \times \frac{1}{3} = \frac{1}{7}$

(14)  $x = 50^0$

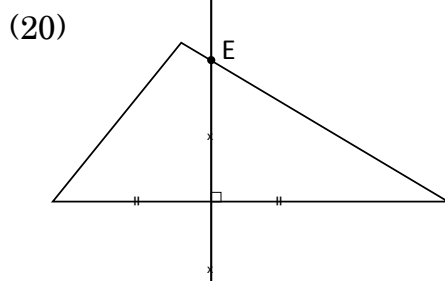
(15)  $\frac{1500}{250} = \text{මිනි} : 06$

(16)  $\frac{1980}{180} = 11 + 2 = 13$

(17)  $m = \frac{-3}{2}$

(18)  $x = 50^0$

(19) 11

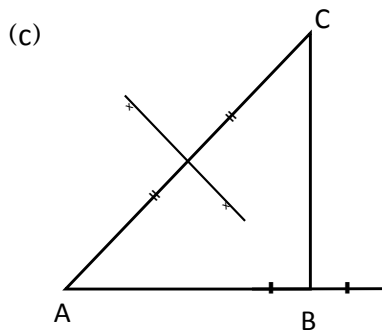


කුන්ඩන වාර පරීක්ෂණය - 2023

9 ශ්‍රේණිය - II පත්‍රය - (පිළිතුරු පත්‍රය)

01.

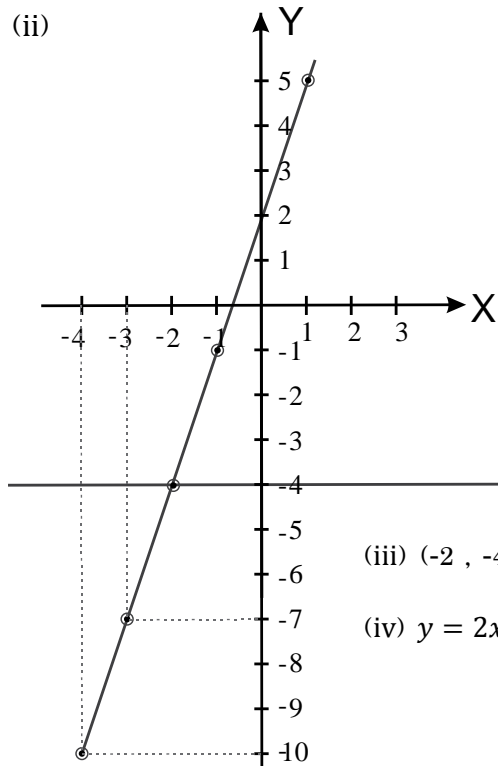
- (a) (i) මාලිමාව ( @.1 )
- (ii) දැනිණාවර්තව ( @.1 )
- (iii) කෝණමනුව ( @.1 )
- (iv)  $315^{\circ}$  ,  $20^{\circ}$  ( @.1 )
- (b) (i)  $30 - 39$  ( @.2 )
- (ii)  $20 - 29$  ( @.1 )
- (iii) 18



අරය  $3.7 \text{ cm}$  (  $\pm 0.1$  )

02.

- (i)  $y = -1$   
 $y = 5$
- (ii)



- (iii)  $(-2, -4)$
- (iv)  $y = 2x + 2$

03. (a)

- (i)  $ax + ay - 2x - 2y$   
 $a(x - y) - 2(x - y)$  ( @.1 )  
 $(a - y)(a - 2)$  ( @.1 )
- (ii)  $4a^3b^2 - 2ab$   
 $4ab(a^2b - 3)$  ( @.2 )

(b)

$$\begin{aligned} 3x - 2y &= 27 \\ 5x - 2y &= 69 \\ 2 - 1 \quad 2x &= 42 \\ \underline{\underline{x}} &= \underline{\underline{21}} \end{aligned} \quad ( @.2 )$$

$x = 21, 1$  ආදේශයෙන්

$$\begin{aligned} 63 - 2y &= 27 \\ 36 &= 2y \\ \underline{\underline{18}} &= \underline{\underline{y}} \end{aligned} \quad ( @.1 )$$

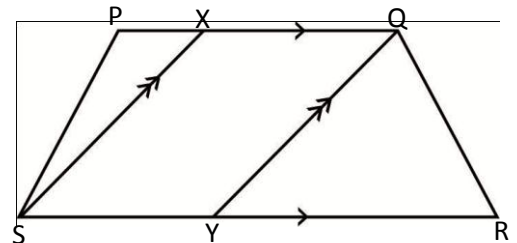
(c)

- (i)  $\frac{2x-3}{5} - \frac{x-3}{3}$   
 $\frac{3(2x-3) - 5(x-3)}{15}$   
 $\frac{6x-9-5x+15}{15}$  ( @.1 )  
 $\frac{x+6}{15}$  ( @.1 )

- (ii)  $\frac{6m-4m+5}{x+y}$  ( @.1 )  
 $\frac{2m+5}{x+y}$  ( @.1 )

04.

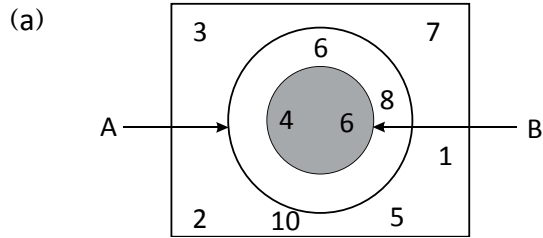
(a)



- $\hat{PXS} = \hat{XSQ}$  (ඒකාන්තර) ( @.2 )
- $\hat{XSY} = \hat{QYR}$  (අනුරූප) ( @.2 )
- $\hat{PXS} = \hat{QYR}$  (ප්‍රත්‍යක්ෂ) ( @.2 )

(b)  $AD^2 = 13^2 - 5^2$   
 $= \sqrt{144}$   
 $AD = 12$  ( @.2 )  
 $AC^2 = 12^2 + 16^2$   
 $AC = 20$  ( @.2 )  
පරිමිතිය -  $13 + 12 + 5 + 16$   
 $= 46$  ( @.1 )

5.



(b) (i)  $S = \{ \text{නිල් 1 , නිල් 2 , නිල් 3, කළු 1 , කළු 2 } \}$   
(ii)  $\frac{3}{5}$

6. (i)  $r = 7cm$  ( @.1 )

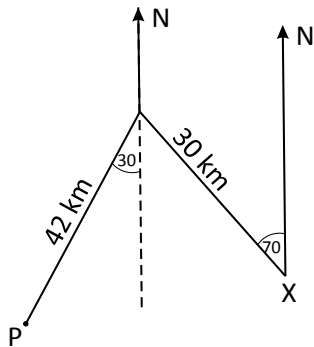
(ii)  $\frac{1}{2} \times 2 \times \frac{22}{7} \times 7$   
 $= 22cm$  ( @.2 )

(iii)  $\frac{1}{2} \times \frac{22}{7} \times 7 \times 7$   
 $= 77cm^2$  ( @.3 )

(iv)  $\frac{77}{2} = 14 \times AC$   
 $= 2.75 cm = AC$  ( @.3 )

(v)  $14 + 2.75 + 2.75 + 22$   
 $41.5 \times 9$   
ඊ. 373.5 ( @.2 )

7.



1 : 600000

1 cm  $\longrightarrow$  6 cm ගෙන නියමිත පරිමාණයට අනුව ඇඳීම.