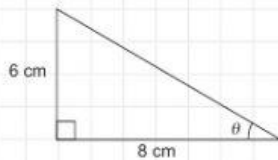


Reviu PT3

Bahagian A

- 1 Rajah 1 menunjukkan sebuah segi tiga bersudut tegak.
Diagram 1 shows a right-angled triangle.



Rajah 1/Diagram 1

Nilai $\sin \theta$ ialah
The value of $\sin \theta$ is

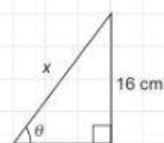
- A $\frac{3}{5}$ C $\frac{4}{5}$
B $\frac{3}{4}$ D $\frac{5}{4}$

- 2 Diberi $\sin x = \frac{4}{5}$ dan $\cos x = \frac{3}{5}$, cari nilai $\tan x$.

Given $\sin x = \frac{4}{5}$ and $\cos x = \frac{3}{5}$, find the value of $\tan x$.

- A $\frac{3}{5}$ C $\frac{4}{5}$
B $\frac{3}{4}$ D $\frac{4}{3}$

- 3 Rajah 2 menunjukkan sebuah segi tiga bersudut tegak.
Diagram 2 shows a right-angled triangle.



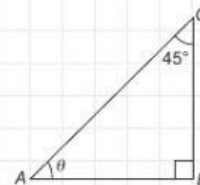
Rajah 2/Diagram 2

Diberi $\tan \theta = \frac{4}{3}$, cari nilai x .

Given $\tan \theta = \frac{4}{3}$, find the value of x .

- A 12 C 20
B 16 D 28

- 4 Dalam Rajah 3, ABC ialah sebuah segi tiga bersudut tegak.
In Diagram 3, ABC is a right-angled triangle.

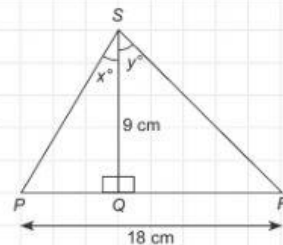


Rajah 3/Diagram 3

Hitung nilai bagi $\cos \theta$.
Calculate the value of $\cos \theta$.

- A $\frac{1}{\sqrt{2}}$ C 1
B $\frac{\sqrt{3}}{2}$ D 2

- 5 Rajah 4 menunjukkan dua buah segi tiga bersudut tegak. PQR ialah garis lurus.
Diagram 4 shows two right-angled triangles. PQR is a straight line.



Rajah 4/Diagram 4

Diberi $\tan y^\circ = \frac{4}{3}$, cari nilai $\tan x^\circ$.

Given $\tan y^\circ = \frac{4}{3}$, find the value of $\tan x^\circ$.

- A $\frac{3}{5}$ C $\frac{3}{4}$
B $\frac{2}{3}$ D $\frac{4}{3}$

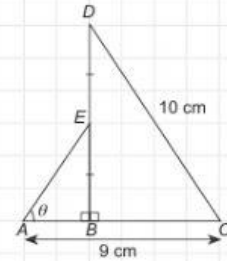
Bahagian B dan/atau C

Zon KBAT

- 1 (a) Rajah 1 menunjukkan dua buah segi tiga bersudut tegak yang bercantum di BE . Diberi ABC ialah garis lurus dan $BC = 2AB$. Tuliskan **Benar** atau **Palsu** bagi pernyataan yang diberi.
Diagram 1 shows two right-angled triangles joining at BE . Given ABC is a straight line and $BC = 2AB$. Write **True** or **False** for the given statements.

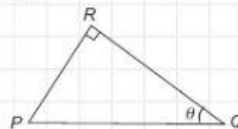
[2 markah/marks]

Pernyataan Statement	Benar/Palsu True/False
$\sin \theta = \frac{4}{5}$	
Luas segi tiga $ABE = 2 \times$ Luas segi tiga BCD Area of triangle $ABE = 2 \times$ Area of triangle BCD	



Rajah 1/Diagram 1

- (b) Rajah 2 menunjukkan sebuah segi tiga bersudut tegak PQR .
Diagram 2 shows a right-angled triangle PQR .



Rajah 2/Diagram 2

Padankan kepada nisbah trigonometri yang betul. **HEBAT MATEMATIK MODUL 30** Gangsa

Match to the correct trigonometric ratio.

[2 markah/marks]

$\sin \theta$

$\frac{QR}{PQ}$

$\cos / \cos \theta$

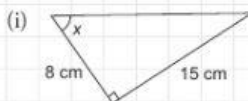
$\frac{PR}{PQ}$

$\tan \theta$

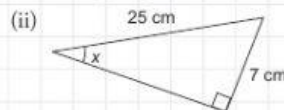
$\frac{PR}{QR}$

- 2 (a) Tuliskan nombor yang betul dalam kotak berdasarkan rajah yang diberi.
Write the correct number in the boxes based on the diagram given.

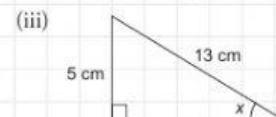
[3 markah/marks]



$\sin x = \frac{\boxed{}}{\boxed{}}$



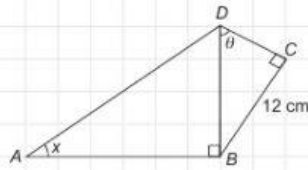
$\cos / \cos x = \frac{\boxed{}}{\boxed{}}$



$\tan x = \frac{\boxed{}}{\boxed{}}$



- (b) Rajah 3 menunjukkan dua buah segi tiga bersudut tegak, ABD dan BCD .
Diagram 3 shows two right-angled triangles, ABD and BCD .



Rajah 3/Diagram 3

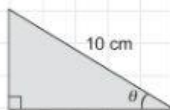
Diberi $\cos x = \frac{36}{39}$, cari nilai θ dalam darjah dan minit.

Given $\cos x = \frac{36}{39}$, find the value of θ in degree and minutes.

[3 markah/marks]

- (c) Sekeping jubin berbentuk segi tiga bersudut tegak ditunjukkan dalam Rajah 4.1. Berapa keping jubinkah yang dapat dipenuhi pada lantai yang berbentuk segi empat tepat seperti dalam Rajah 4.2? Diberi $\tan \theta = 0.75$. **KBAT** Mental **HEBAT MATEMATIK MODUL 30** Emas

A right-angled triangle tile is shown in Diagram 4.1. How many tiles can be filled into a rectangular floor as shown in Diagram 4.2? Given $\tan \theta = 0.75$. [4 markah/marks]



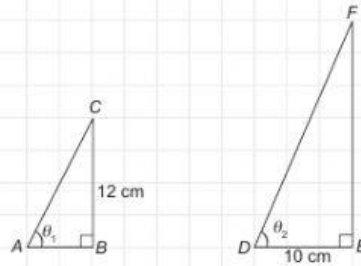
Rajah 4.1
Diagram 4.1



Rajah 4.2
Diagram 4.2

Zon PISA/TIMSS

- 1 Dalam Rajah 1, nilai θ_1 dan θ_2 adalah sama dan DF ialah dua kali ganda AC . Cari panjang, dalam cm, bagi DF . **HEBAT MATEMATIK MODUL 30 Perak**
 In Diagram 1, the values of θ_1 and θ_2 are equal and DF is twice of AC . Find the length, in cm, of DF .



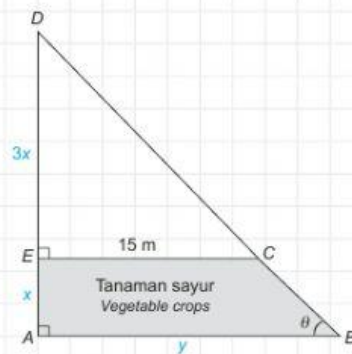
Rajah 1/Diagram 1

- 2 Rajah 2 menunjukkan satu kawasan tanah berbentuk segi tiga, dengan keadaan ED ialah tiga kali ganda AE .
 43.75% daripada kawasan tanah itu ditanam dengan sayur-sayuran.
 Jika luas keseluruhan tanah ialah 120 m^2 , cari nilai $\tan \theta$. **KBAT Menilai**

HEBAT MATEMATIK MODUL 30 Emas

Diagram 2 shows a region of triangular land, where ED is three times of AE .

43.75% of the land is planted with vegetables. If the total area of the land is 120 m^2 , find the value of $\tan \theta$.



Rajah 2/Diagram 2

