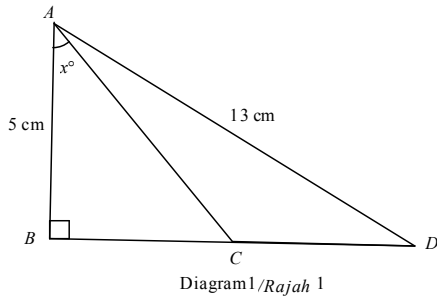


TRIGONOMETRY

2004

1.

In Diagram 1, C is the midpoint of the straight line BD .
Dalam Rajah 1, C ialah titik tengah garis lurus BD .

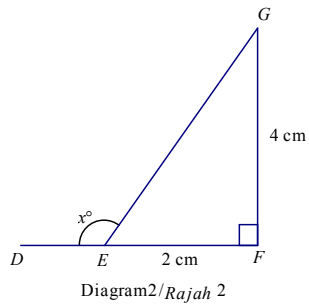


Find the value of $\tan x^\circ$.
Carikan nilai $\tan x^\circ$.

2005

2.

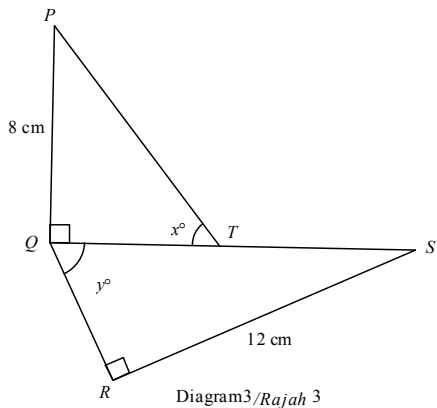
Diagram 2 shows a right-angled triangle EFG and DEF is a straight line.
Rajah 2 menunjukkan segitiga bersudut tegak EFG dan DEF ialah garis lurus.



Find the value of $\cos x^\circ$.
Cari nilai $\cos x^\circ$.

3.

In Diagram 3, QTS is a straight line.
Dalam rajah 3, QTS ialah garis lurus.



Given that $\sin x^\circ = \frac{4}{5}$ and $\tan y^\circ = \frac{12}{5}$, calculate the length, in cm of TS .

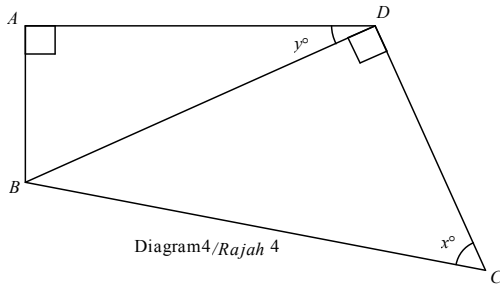
Diberi bahawa $\sin x^\circ = \frac{4}{5}$ dan $\tan y^\circ = \frac{12}{5}$, hitungkan panjang, dalam cm, TS .

2006

4.

Diagram 4 shows two right angled triangles, DAB and CDB .

Rajah 4 menunjukkan dua buah segitiga bersudut tegak, DAB dan CDB .



It is given that $\tan y^\circ = \frac{5}{12}$ and $\sin x^\circ = \frac{1}{2}$.

Diberi bahawa $\tan y^\circ = \frac{5}{12}$ dan $\sin x^\circ = \frac{1}{2}$.

(a) Find the value of $\cos y^\circ$. / Cari nilai kos y° .

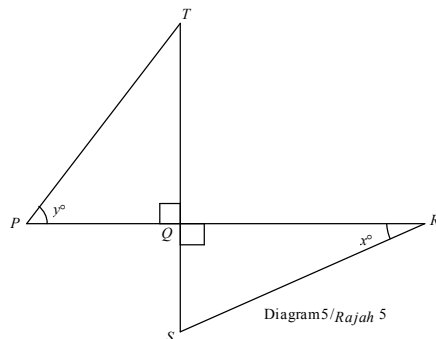
(b) Calculate the length, in cm, of BC . / Hitung panjang, dalam cm, BC .

2007

5.

Diagram 5 shows two right angled triangles PQT and SQR . PQR and TQS are straight lines.

Rajah 5 menunjukkan dua buah segitiga bersudut tegak PQT dan SQR . PQR dan TQS ialah garis lurus.



It is given that $\sin x^\circ = \frac{5}{13}$ and $\cos y^\circ = \frac{3}{5}$.

Diberi bahawa $\sin x^\circ = \frac{5}{13}$ dan kos $y^\circ = \frac{3}{5}$.

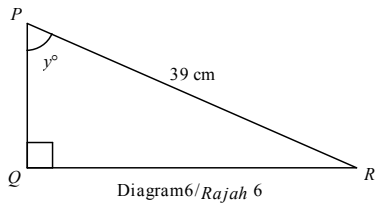
(a) Find the value of $\tan x^\circ$. / Cari nilai bagi $\tan x^\circ$.

(b) Calculate the length, in cm, of PQR . / Hitung panjang, dalam cm, bagi PQR .

2008

6.

Diagram 6 shows a right angled triangle PQR .
Rajah 6 menunjukkan segitiga bersudut tegak PQR .



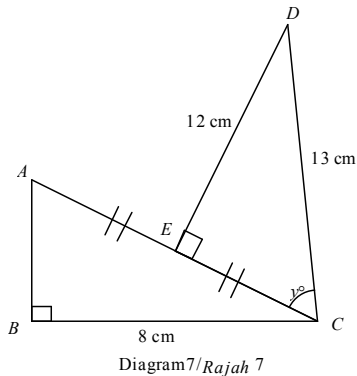
It is given that $\cos y^\circ = \frac{5}{13}$, calculate the length, in cm, of PQ .

Diberi bahawa $\cos y^\circ = \frac{5}{13}$, hitung panjang, dalam cm, PQ .

2009

7.

In Diagram 7, E is the midpoint of the line AC.
DalamRajah 7, E ialah titik tengah garis AC.

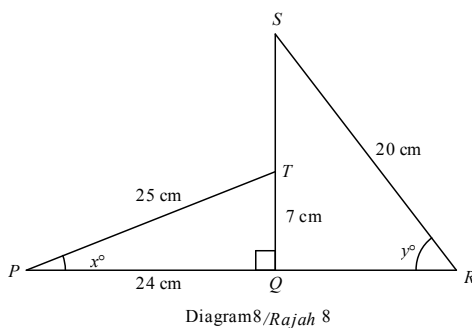


- (a) Find the value of $\tan y^\circ$. / *Cari nilai bagi $\tan y^\circ$.*
 (b) Calculate the length, in cm, of AB. / *Hitung panjang, dalam cm, bagi AB.*

2010

8.

In Diagram 8, PQT and SQR are two right-angled triangles. PQR and STQ are straight lines.
Dalam Rajah 8, PQT dan SQR ialah segitiga bersudut tegak. PQR dan STQ ialah garis lurus.

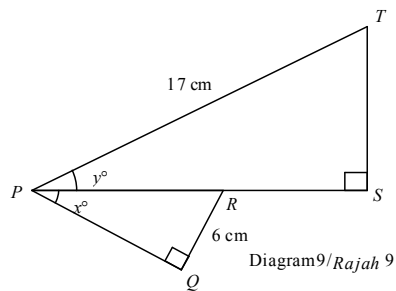


It is given that $\cos y^\circ = \frac{3}{5}$.

Diberi bahawa $\cos y^\circ = \frac{3}{5}$.

- (a) Find the value of $\tan x^\circ$. / Cari nilai $\tan x^\circ$.
 (b) Calculate the length, in cm, of ST . / Hitung panjang, dalam cm, bagi ST .

9. In Diagram 9, PST and PQR are two right-angled triangles. PRS is a straight line.
 Dalam Rajah 9, PST dan PQR ialah segitiga bersudut tegak. PRS ialah garis lurus.

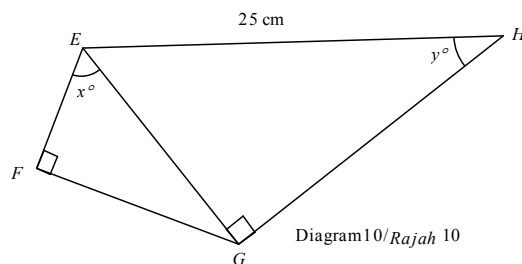


Given that $\cos x^\circ = \frac{4}{5}$ and $\sin y^\circ = \frac{8}{17}$,

Diberi bahawa $\cos x^\circ = \frac{4}{5}$ dan $\sin y^\circ = \frac{8}{17}$,

- a) find the value of $\cos y^\circ$, / cari nilai $\cos y^\circ$
 b) calculate the length, in cm, of RS . / Hitung panjang, dalam cm, bagi RS .

10. Diagram 10 shows two right-angled triangles EFG and EGH .
 Rajah 10 menunjukkan dua buah segitiga bersudut tegak EFG dan EGH .

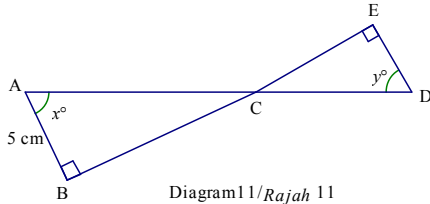


Given that $\cos y^\circ = \frac{4}{5}$ and $\sin x^\circ = \frac{5}{6}$,

Diberi $\cos y^\circ = \frac{4}{5}$ dan $\sin x^\circ = \frac{5}{6}$,

- (a) find the value of $\tan y^\circ$.
cari nilai $\tan y^\circ$
- (b) calculate the length, in cm, of FG .
hitung panjang, dalam cm, bagi FG .

11. Diagram 11 shows two right-angled triangles ABC and CDE . ACD is a straight line.
Rajah 11 menunjukkan dua buah segitiga sudut tegak ABC dan CDE . ACD ialah garis lurus.

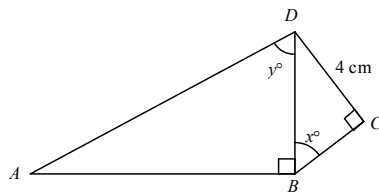


It is given that $\tan x^\circ = \frac{12}{5}$ and $\cos y^\circ = \frac{3}{5}$.

Diberi bahawa $\tan x^\circ = \frac{12}{5}$ dan $\cos y^\circ = \frac{3}{5}$.

- (a) Find the value of $\sin x^\circ$ / Cari nilai $\sin x^\circ$.
- (b) Calculate the length, in cm, of AD . / Hitung panjang, dalam cm, bagi AD .

12. Diagram 12 shows two right-angled triangle ABD and BCD .
Rajah 12 menunjukkan dua buah segitiga bersudut tegak ABD dan BCD .



Given that $\sin x^\circ = 0.8$ and $\tan y^\circ = 2$.

Diberi $\sin x^\circ = 0.8$ dan $\tan y^\circ = 2$.

- (a) Find the value of $\cos x^\circ$ / Cari nilai kos x° .
- (b) Calculate the length, in cm, of AB . / Hitung panjang, dalam cm, bagi AB .

13. Diagram 13 shows two right-angled triangles, ABC and ACD .
Rajah 13 menunjukkan dua buah segitiga ABC dan ACD .

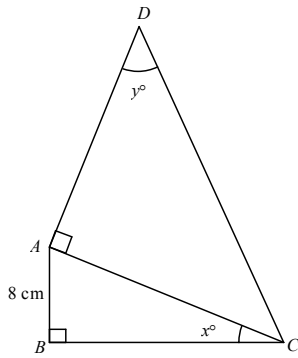


Diagram 13/Rajah 13

Given that $\tan x^\circ = \frac{8}{15}$ and $\sin y^\circ = \frac{1}{2}$.

Diberi $\tan x^\circ = \frac{8}{15}$ dan $\sin y^\circ = \frac{1}{2}$.

- (a) Find the value of $\cos x^\circ$ / Cari nilai $\cos x^\circ$.
(b) Calculate the length, in cm, of CD . / Hitung panjang, dalam cm, bagi CD .