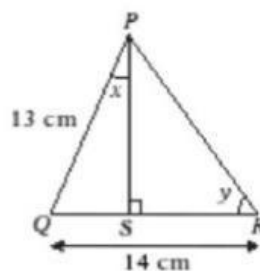


1. The diagram shows a triangle.
Rajah di bawah menunjukkan sebuah segi tiga.

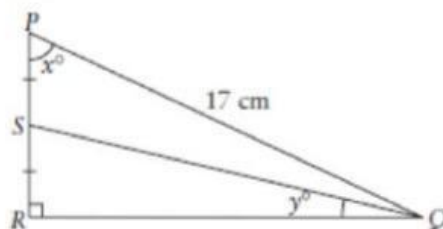


Given that $\sin x = \frac{5}{13}$, find the value of $\cos y$.

Diberi bahawa $\sin x = \frac{5}{13}$, cari nilai bagi $\cos y$.

- ☐ A $\frac{5}{12}$
- ☐ B $\frac{5}{13}$
- ☐ C $\frac{3}{5}$
- ☐ D $\frac{4}{5}$

2. In the diagram, PSR is a straight line.
Dalam rajah di bawah, PSR ialah garis lurus.

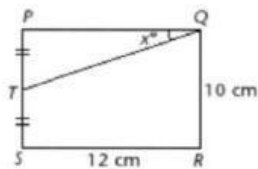


Given $\sin x^\circ = \frac{15}{17}$, find the value of $\tan y^\circ$.

Diberi $\sin x^\circ = \frac{15}{17}$, cari nilai bagi $\tan y^\circ$.

- ☐ A $\frac{4}{17}$
- ☐ B $\frac{4}{15}$
- ☐ C $\frac{8}{17}$
- ☐ D $\frac{8}{15}$

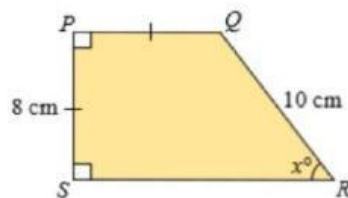
3. In the diagram, PQRS is a rectangle and $PT = TS$.
 Dalam rajah di bawah, PQRS ialah sebuah segi empat tepat dan $PT = TS$.



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

- ☐ A $\frac{5}{12}$
- ☐ B $\frac{5}{13}$
- ☐ C $\frac{10}{13}$
- ☐ D $\frac{12}{13}$

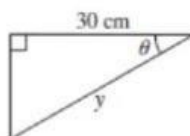
4. The diagram shows a trapezium PQRS.
 Rajah di bawah menunjukkan sebuah trapezium PQRS.



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

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

- 5.

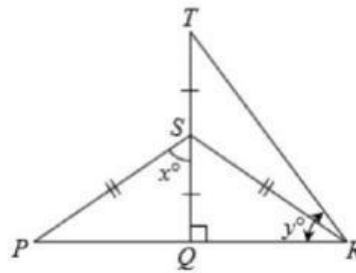


Given $\cos \theta = \frac{5}{6}$, find the value of y .

Diberi $\cos \theta = \frac{5}{6}$, cari nilai y .

- ☐ A 52 cm
- ☐ B 46 cm
- ☐ C 36 cm
- ☐ D 30 cm

6. In the diagram, PQR and QST are straight lines.
 Dalam rajah di bawah, PQR dan QST ialah garis lurus.



Given that $\cos x^\circ = \frac{3}{5}$ and $TS = 6$ cm, find the value of $\tan y^\circ$.

Diberi bahawa $\cos x^\circ = \frac{3}{5}$ dan $TS = 6$ cm, cari nilai bagi $\tan y^\circ$.

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

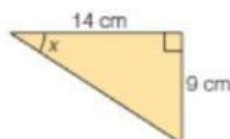
7. Given $\cos \theta = 0.307$, find the value of θ . Give the answer in degrees and minutes.
 Diberi $\cos \theta = 0.307$, cari nilai θ bagi yang berikut. Berikan jawapan dalam darjah dan minit.

- ☐ A $71^\circ 7'$
- ☐ B $71^\circ 27'$
- ☐ C $72^\circ 7'$
- ☐ D $72^\circ 27'$

8. Given $\tan \theta = 0.5$, find the value of θ . Give the answer in degrees and minutes.
 Diberi $\tan \theta = 0.5$, cari nilai θ bagi yang berikut. Berikan jawapan dalam darjah dan minit.

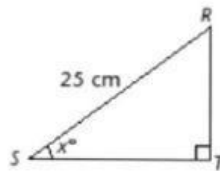
- ☐ A $26^\circ 32'$
- ☐ B $26^\circ 34'$
- ☐ C $27^\circ 32'$
- ☐ D $27^\circ 34'$

9. Find the value of x .
 Cari nilai x .



- ☐ A 32°
- ☐ B $32^\circ 44'$
- ☐ C $36^\circ 44'$
- ☐ D 52°

10. The diagram shows a right-angled triangle RST.
Rajah di bawah menunjukkan sebuah segi tiga bersudut tegak RST.



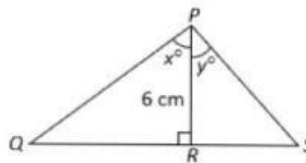
It is given that :
Diberi bahawa :

$$\tan x^\circ = \frac{3}{4}, \sin x^\circ = \frac{3}{5}, \cos x^\circ = \frac{4}{5}$$

Find the length, in cm, of ST.
Cari panjang, dalam cm, bagi ST.

- ☐ A 10
☐ B 15
☐ C 20
☐ D 25

11. In the diagram, QRS is a straight line.
Dalam rajah di bawah, QRS ialah garis lurus.



It is given that $\tan x^\circ = 2$ and $\tan y^\circ = \frac{1}{2}$. Find the length, in cm, of QS.

Diberi bahawa $\tan x^\circ = 2$ dan $\tan y^\circ = \frac{1}{2}$. Cari panjang, dalam cm, bagi QS.

- ☐ A 12
☐ B 15
☐ C 18
☐ D 23

12. Convert $5^\circ 8'$ to degrees. Give the answer correct to 3 decimal places.
Tukar $5^\circ 8'$ kepada darjah. Berikan jawapan betul kepada 3 tempat perpuluhan.

- ☐ A 5.254°
☐ B 5.133°
☐ C 15.133°
☐ D 15.313°

13. Without using a calculator, find the value of $\tan 60^\circ - \sin 60^\circ$.
Tanpa menggunakan kalkulator, cari nilai $\tan 60^\circ - \sin 60^\circ$.

- ☐ A $\frac{\sqrt{3}}{4}$
☐ B $\frac{\sqrt{3}}{2}$
☐ C $\sqrt{3}$
☐ D $\frac{1}{2}$

14. If $2 \sin \theta = 1$, find the value of θ .
 Jika $2 \sin \theta = 1$, cari nilai θ .

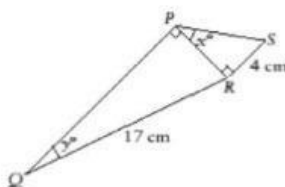
- ☐ A 30°
☐ B 45°
☐ C 60°
☐ D 90°



15. Without using a calculator, find the value of $\tan 45^\circ + \sin 30^\circ$.
 Tanpa menggunakan kalkulator, cari nilai $\tan 45^\circ + \sin 30^\circ$.

- ☐ A 0.5
☐ B 1
☐ C 1.5
☐ D 2

16. The diagram shows two right-angled triangles.
 Rajah di bawah menunjukkan dua buah segi tiga bersudut tegak.

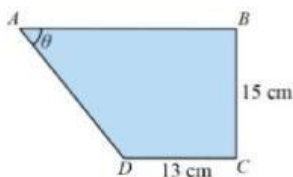


Given $\tan x^\circ = \frac{1}{2}$, find the value of $\cos y^\circ$.

Diberi $\tan x^\circ = \frac{1}{2}$, cari nilai bagi kos y° .

- ☐ A $\frac{4}{17}$
☐ B $\frac{8}{17}$
☐ C $\frac{8}{15}$
☐ D $\frac{15}{17}$

17. In the diagram, ABCD is a trapezium.
 Dalam rajah di bawah, ABCD ialah sebuah trapezium.



Given $\tan \theta = \frac{5}{4}$, find the length of AB, in cm.

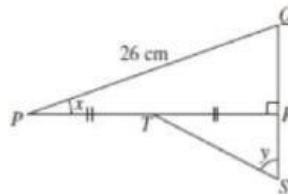
Diberi $\tan \theta = \frac{5}{4}$, cari panjang AB, dalam cm.

- ☐ A 40
☐ B 35
☐ C 30
☐ D 25

18. Use a scientific calculator to find the value of $\cos 38^\circ$. Give the answer correct to 4 decimal places.
Gunakan kalkulator saintifik untuk mencari nilai kos 38° . Beri jawapan betul sehingga 4 tempat perpuluhan.

- ☐ A 0.7880
☐ B 0.7825
☐ C 0.7805
☐ D 0.7795

19. In the diagram, PTR and QRS are straight lines.
Dalam rajah di bawah, PTR dan QRS ialah garis lurus.

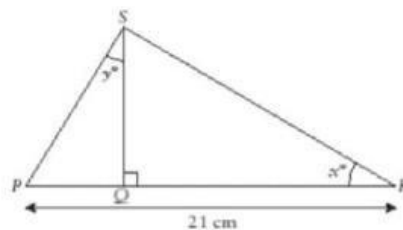


Given $\sin x = \frac{5}{13}$ and $\tan y = 2$, calculate the length, in cm, of QRS .

Diberi $\sin x = \frac{5}{13}$ dan $\tan y = 2$, hitung panjang, dalam cm, QRS .

- ☐ A 11
☐ B 16
☐ C 13
☐ D 20

20. In the diagram, PQR is a straight line.
Dalam rajah di bawah, PQR ialah garis lurus.



Given $\cos x^\circ = \frac{15}{17}$, then $\sin y^\circ =$

Diberi $\cos x^\circ = \frac{15}{17}$, maka $\sin y^\circ =$

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