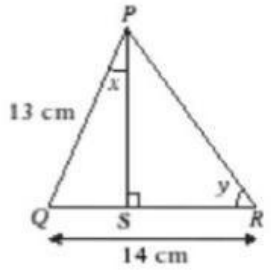
1. The diagram shows a triangle.
Rajah di bawah menunjukkan sebuah segi tiga.

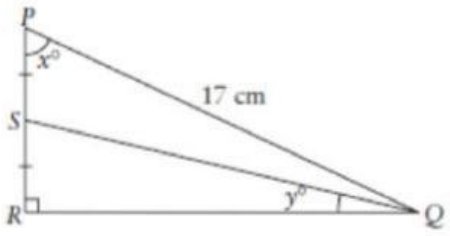


Given that $\sin x = \frac{5}{13}$, find the value of $\cos y$.

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

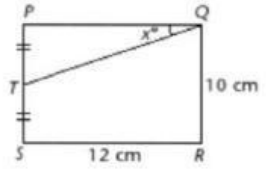


Given $\sin x° = \frac{15}{17}$, find the value of $\tan y°$.

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

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

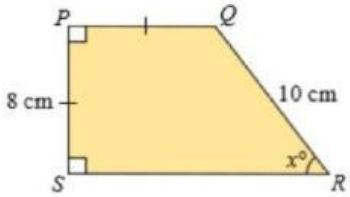
3. In the diagram, *PQRS* is a rectangle and *PT* = *TS*.
Dalam rajah di bawah, PQRS ialah sebuah segi empat tepat dan PT = TS.



Find the value of sin $x°$.
Cari nilai bagi sin $x°$.

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

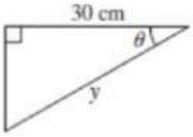
4. The diagram shows a trapezium *PQRS*.
Rajah di bawah menunjukkan sebuah trapezium PQRS.



Find the value of cos $x°$.
Cari nilai bagi kos $x°$.

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

5.

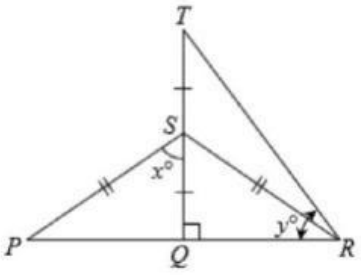


Given cos $\theta = \frac{5}{6}$, find the value of *y*.

Diberi kos $\theta = \frac{5}{6}$, *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 $\cos x° = \frac{3}{5}$ and $TS = 6$ cm, find the value of $\tan y°$.

Diberi bahawa kos $x° = \frac{3}{5}$ *dan* $TS = 6$ cm, *cari nilai bagi* $\tan y°$.

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

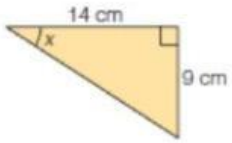
7. Given $\cos \theta = 0.307$, find the value of θ . Give the answer in degrees and minutes.
Diberi kos $\theta = 0.307$, *cari nilai* θ *bagi yang berikut. Berikan jawapan dalam darjah dan minit.*

- A 71° 7'
- B 71° 27'
- C 72° 7'
- D 72° 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.*

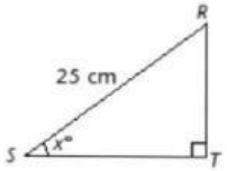
- A 26° 32'
- B 26° 34'
- C 27° 32'
- D 27° 34'

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



- A 32°
- B 32° 44'
- C 36° 44'
- D 52°

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



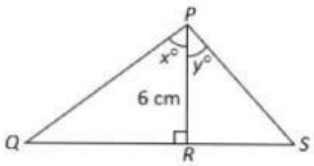
It is given that :
Diberi bahawa :

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

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° 8' to degrees. Give the answer correct to 3 decimal places.
Tukar 5° 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** $\frac{1}{2}$

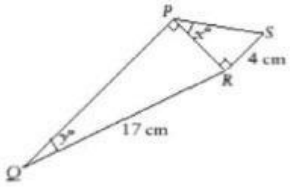
14. If $2 \sin \theta = 1$, find the value of θ.
Jika $2 \sin \theta = 1$, *cari nilai* θ.

- A $30°$
- B $45°$
- C $60°$
- D $90°$

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

- 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.

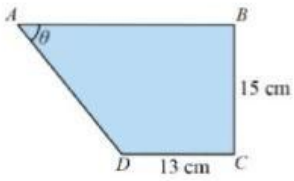


Given $\tan x° = \frac{1}{2}$, find the value of $\cos y°$.

Diberi $\tan x° = \frac{1}{2}$, *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.

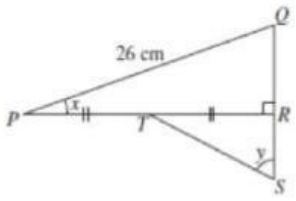
Diberi $\tan \theta = \frac{5}{4}$, *cari panjang AB, dalam* cm.

- A 40
- B 35
- C 30
- D 25

18. Use a scientific calculator to find the value of cos 38°. Give the answer correct to 4 d l places.
Gunakan kalkulator saintifik untuk mencari nilai kos 38°. *Beri jawapan betul sehingga 4 at 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.

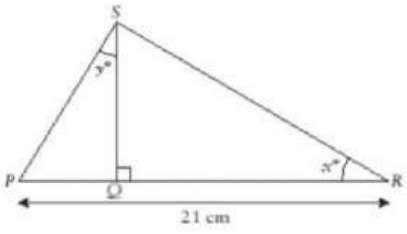


Given $\sin x = \frac{5}{13}$ and $\tan y = 2$, calculate the length, in cm, of *QRS*.

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 kos $x^\circ = \frac{15}{17}$, *maka* $\sin y^\circ =$

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