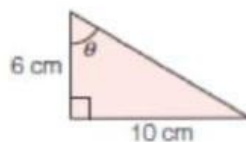
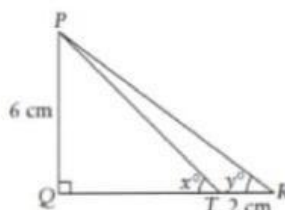


1. Determine the value of $\tan \theta$.
Tentukan nilai $\tan \theta$.



- ☐ A $\frac{1}{3}$
- ☐ B $\frac{3}{5}$
- ☐ C $\frac{5}{3}$
- ☐ D $\frac{1}{5}$

2. In the diagram, PQR is a right-angled triangle and $\tan x^\circ = \frac{6}{7}$.
Dalam rajah di bawah, PQR ialah segi tiga bersudut tegak dan $\tan x^\circ = \frac{6}{7}$.



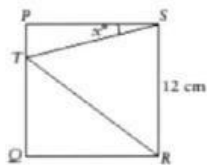
Find the value of $\tan y^\circ$.
Cari nilai bagi $\tan y^\circ$.

- ☐ A $\frac{2}{3}$
- ☐ B $\frac{5}{6}$
- ☐ C $\frac{6}{5}$
- ☐ D $\frac{3}{2}$

3. $2 \cos 60^\circ - 2 \tan 45^\circ =$
 $2 \cos 60^\circ - 2 \tan 45^\circ =$

- ☐ A -1
- ☐ B 0
- ☐ C 0.5
- ☐ D 1

4. In the diagram, $PQRS$ is a square.
 Dalam rajah di bawah, $PQRS$ ialah sebuah segi empat sama.

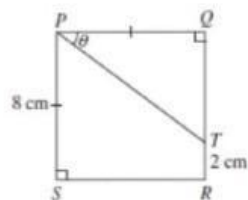


Given $\tan x^\circ = \frac{1}{4}$, find the length, in cm, of TQ .

Diberi $\tan x^\circ = \frac{1}{4}$, cari panjang, dalam cm, bagi TQ .

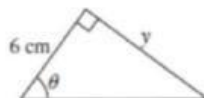
- ☐ A 3
☐ B 4
☐ C 6
☐ D 9

5. Find the value of $\sin \theta$.
 Cari nilai $\sin \theta$.



- ☐ A $\frac{3}{5}$
☐ B $\frac{4}{5}$
☐ C $\frac{7}{5}$
☐ D $\frac{3}{8}$

6. In the diagram, $\tan \theta = 1.4$.
 Dalam rajah di bawah, $\tan \theta = 1.4$.



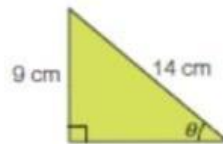
Find the value of y .
 Cari nilai y .

- ☐ A 8.4 cm
☐ B 7.2 cm
☐ C 2.5 cm
☐ D 1.4 cm

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

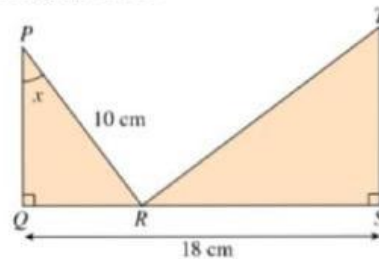
- ☐ A 0.5
☐ B 1
☐ C 1.5
☐ D 2

8. Determine the value of $\sin \theta$.
Tentukan nilai $\sin \theta$.



- ☐ A $\frac{9}{14}$
- ☐ B $\frac{1}{2}$
- ☐ C $\frac{14}{9}$
- ☐ D $\frac{1}{2}$

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



Given $RT = 15$ cm and $\sin x = \frac{3}{5}$, find $\angle TRS$ in degrees and minutes.

Diberi $RT = 15$ cm dan $\sin x = \frac{3}{5}$, cari $\angle TRS$ dalam darjah dan minit.

- ☐ A $25^\circ 20'$
- ☐ B $28^\circ 52'$
- ☐ C $36^\circ 52'$
- ☐ D $45^\circ 20'$

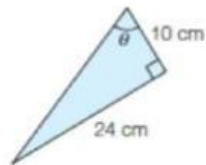
- 10.

If $\sin \theta = \frac{8}{17}$ and θ is an acute angle, then $\cos \theta =$

Jika $\sin \theta = \frac{8}{17}$ dan θ ialah sudut tirus, maka $\cos \theta =$

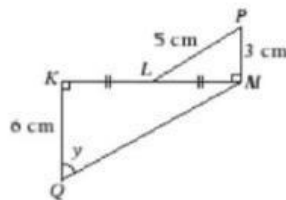
- ☐ A $\frac{8}{15}$
- ☐ B $\frac{15}{17}$
- ☐ C $\frac{15}{8}$
- ☐ D $\frac{17}{8}$

11. Determine the value of $\cos \theta$.
Tentukan nilai kos θ .



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

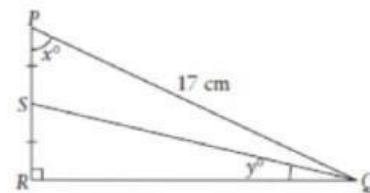
12. In the diagram, KLM is a straight line.
Dalam rajah di bawah, KLM ialah garis lurus.



Find the value of $\cos y$.
Cari nilai bagi kos y .

- ☐ A 0.80
- ☐ B 0.75
- ☐ C 0.60
- ☐ D 0.50

13. 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 $\tan y^\circ$.

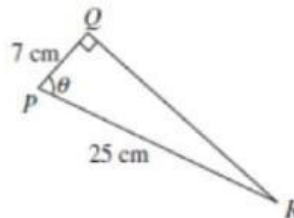
- ☐ A $\frac{4}{17}$
- ☐ B $\frac{4}{15}$
- ☐ C $\frac{8}{17}$
- ☐ D $\frac{8}{15}$

14. Convert $65^\circ 54'$ to degrees.
Tukarkan $65^\circ 54'$ kepada unit darjah.



- ☐ A 65.09°
☐ B 65.25°
☐ C 65.7°
☐ D 65.9°

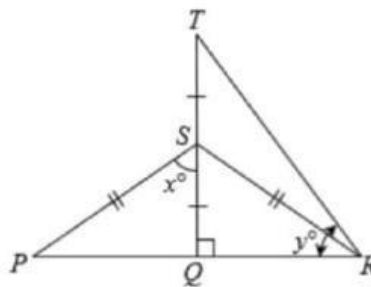
15.



Find the value of $\tan \theta$.
Cari nilai $\tan \theta$.

- ☐ A $\frac{7}{25}$
☐ B $\frac{7}{24}$
☐ C $\frac{25}{7}$
☐ D $\frac{24}{7}$

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

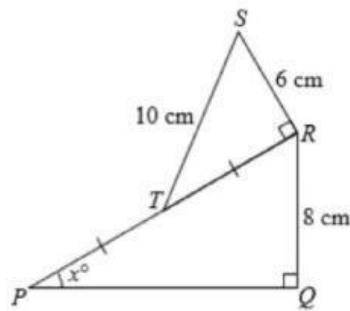


Given that $\cos x^\circ = \frac{3}{5}$ and $TS = 6$ cm, find the value of $\tan y^\circ$.

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 $\frac{5}{4}$

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



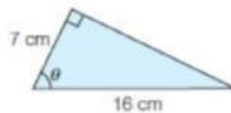
The value of $\sin x^\circ$ is
 Nilai bagi $\sin x^\circ$ ialah

- ☐ A $\frac{3}{8}$
☐ B $\frac{1}{2}$
☐ C $\frac{4}{5}$
☐ D $\frac{5}{4}$

18. Convert $32^\circ 36'$ to degrees.
 Tukarkan $32^\circ 36'$ kepada unit darjah.

- ☐ A 32.06°
☐ B 32.6°
☐ C 33.24°
☐ D 33.06°

19. Determine the value of $\cos \theta$.
 Tentukan nilai $\cos \theta$.



- ☐ A $\frac{3}{5}$
☐ B $\frac{7}{16}$
☐ C $\frac{4}{15}$
☐ D $\frac{3}{7}$

20. 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 $\frac{1}{2}$