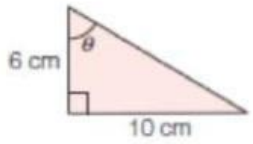
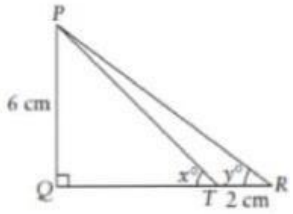
1. Determine the value of tan θ.
Tentukan nilai tan θ.



- 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 $x° = \frac{6}{7}$.
Dalam rajah di bawah, PQR ialah segi tiga bersudut tegak dan tan $x° = \frac{6}{7}$.



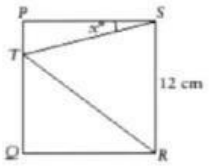
Find the value of tan $y°$.
Cari nilai bagi tan $y°$.

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

3. $2 \cos 60° - 2 \tan 45° =$
$2 \text{ kos } 60° - 2 \tan 45° =$

- 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.

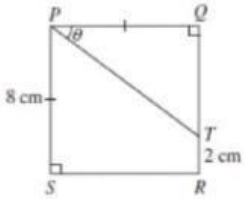


Given $\tan x° = \frac{1}{4}$, find the length, in cm, of *TQ*.

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

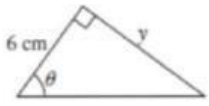
- A 3
- B 4
- C 6
- D 9

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



- 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, $\tan \theta = 1.4$.



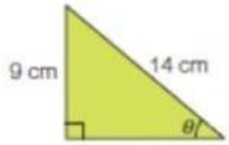
Find the value of *y*.
Cari nilai y.

- 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 $\tan 45° + \sin 30°$.
Tanpa menggunakan kalkulator, cari nilai $\tan 45° + \sin 30°$.

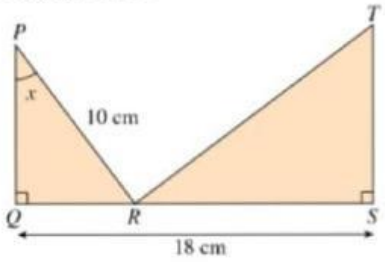
- A 0.5
- B 1
- C 1.5
- D 2

8. Determine the value of sin θ.
Tentukan nilai sin θ.



- 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.*

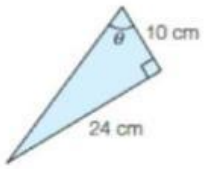
- A 25° 20'
- B 28° 52'
- C 36° 52'
- D 45° 20'

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 kos* $\theta =$

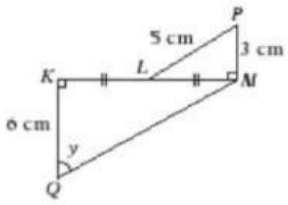
- A $\frac{8}{15}$
- B $\frac{15}{17}$
- C $\frac{15}{8}$
- D $\frac{17}{8}$

11. Determine the value of cos θ.
Tentukan nilai kos θ.



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

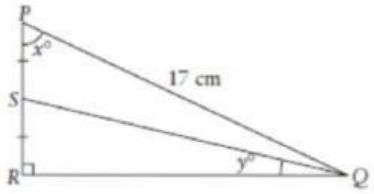
12. In the diagram, *KLM* is a straight line.
Dalam rajah di bawah, KLM ialah garis lurus.



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

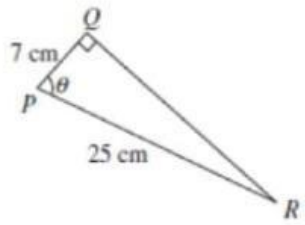
Diberi $\sin x° = \frac{15}{17}$, *cari nilai bagi* $\tan y°$.

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

14. Convert 65° 54' to degrees.
Tukarkan 65° 54' kepada unit darjah.

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

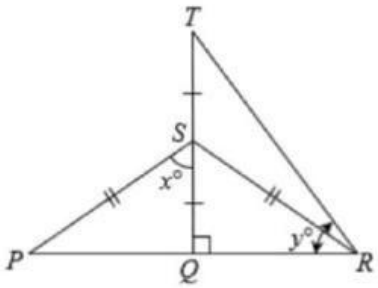
15.



Find the value of tan θ.
Cari nilai tan θ.

- 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.

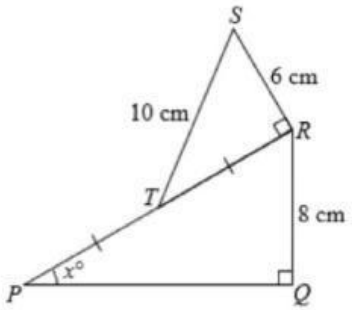


Given that $\cos x^\circ = \frac{3}{5}$ and $TS = 6$ cm, find the value of $\tan y^\circ$.

Diberi bahawa kos $x^\circ = \frac{3}{5}$ *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.



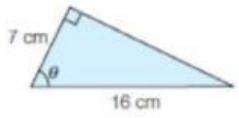
The value of sin $x°$ is
Nilai bagi sin $x°$ *ialah*

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

18. Convert 32° 36' to degrees.
Tukarkan 32° 36' kepada unit darjah.

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

19. Determine the value of cos θ.
Tentukan nilai kos θ.



- 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° − sin 60°.
Tanpa menggunakan kalkulator, cari nilai tan 60° − sin 60°.

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