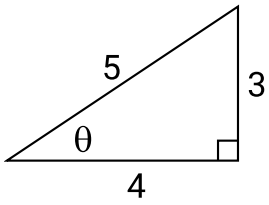
Year 9 Class 18 questions

Q1

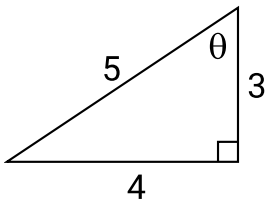


$\sin\theta = \frac{\square}{\square}$ $\frac{3}{5}$

$\cos\theta = \frac{\square}{\square}$ $\frac{4}{5}$

$\tan\theta = \frac{\square}{\square}$ $\frac{3}{4}$

Q2



$\sin\theta = \frac{\square}{\square}$ $\frac{4}{5}$

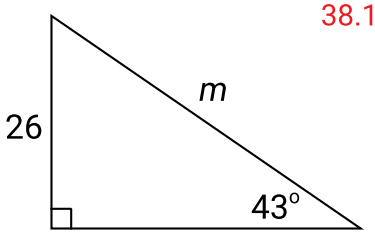
$\cos\theta = \frac{\square}{\square}$ $\frac{3}{5}$

$\tan\theta = \frac{\square}{\square}$ $\frac{4}{3}$

Q3

Find the value of *m*. $\square$ (1 d.p.)

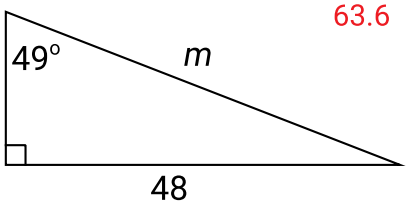
38.1



Q4

Find the value of *m*. $\square$ (1 d.p.)

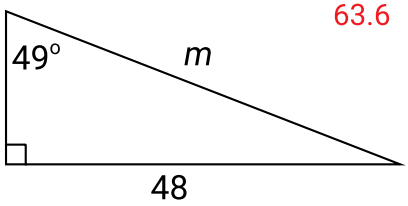
63.6



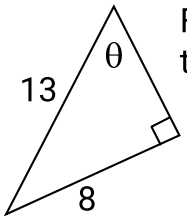
Q5

Find the value of *m*. $\square$ (1 d.p.)

63.6



Q6

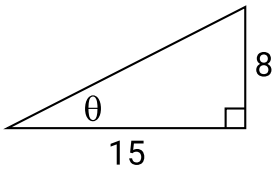


Find the value of θ correct to the nearest degree.

$\theta = \square$ °

38

Q7



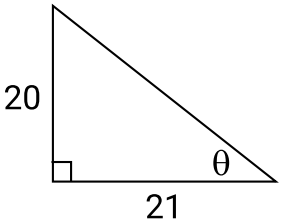
HINT: Find the missing side first.

$\sin\theta = \frac{\square}{\square}$ $\frac{8}{17}$

$\cos\theta = \frac{\square}{\square}$ $\frac{15}{17}$

$\tan\theta = \frac{\square}{\square}$ $\frac{8}{15}$

Q8



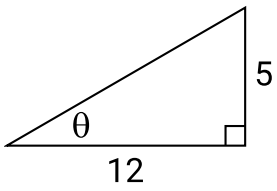
HINT: Find the missing side first.

$\sin\theta = \frac{\square}{\square}$ $\frac{20}{29}$

$\cos\theta = \frac{\square}{\square}$ $\frac{21}{29}$

$\tan\theta = \frac{\square}{\square}$ $\frac{20}{21}$

Q9



HINT: Find the missing side first.

$\sin\theta = \frac{\square}{\square}$ $\frac{5}{13}$

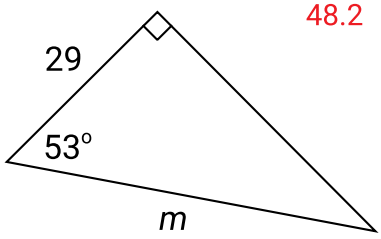
$\cos\theta = \frac{\square}{\square}$ $\frac{12}{13}$

$\tan\theta = \frac{\square}{\square}$ $\frac{5}{12}$

Q10

Find the value of *m*. [ ] (1 d.p.)

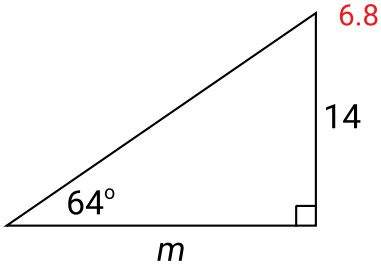
48.2



Q11

Find the value of *m*. [ ] (1 d.p.)

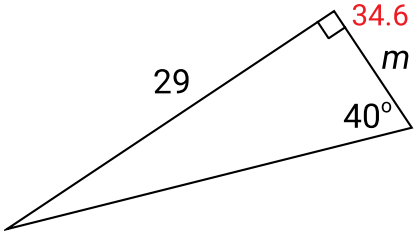
6.8



Q12

Find the value of *m*. [ ] (1 d.p.)

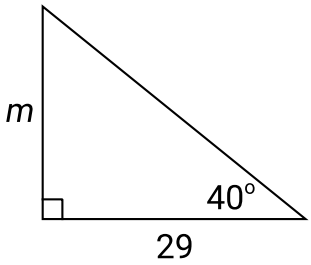
34.6



Q13

Find the value of *m*. [ ] (1 d.p.)

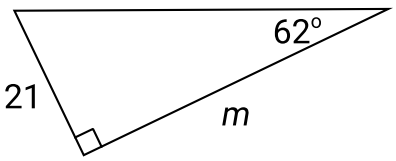
24.3



Q14

Find the value of *m*. [ ] (1 d.p.)

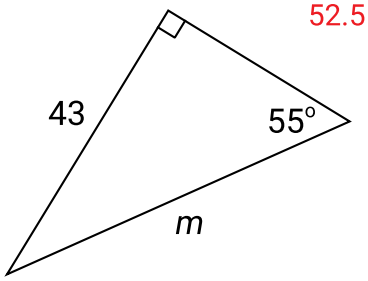
11.2



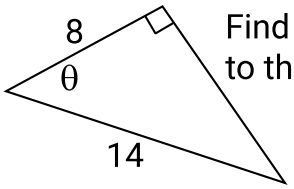
Q15

Find the value of *m*. [ ] (1 d.p.)

52.5



Q16

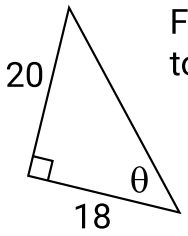


Find the value of θ correct to the nearest degree.

$\theta =$ [ ]°

55

Q17

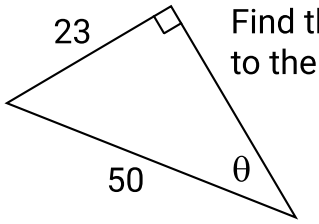


Find the value of θ correct to the nearest degree.

θ = [ ]°

48

Q18

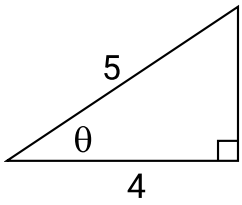


Find the value of θ correct to the nearest degree.

θ = [ ]°

27

Q19

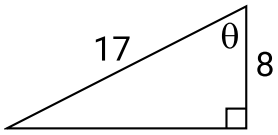


$\sin\theta = \frac{\square}{\square}$ $\frac{3}{5}$

$\cos\theta = \frac{\square}{\square}$ $\frac{4}{5}$

$\tan\theta = \frac{\square}{\square}$ $\frac{3}{4}$

Q20

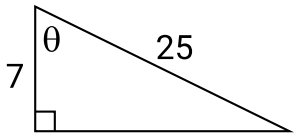


$\sin\theta = \frac{\square}{\square}$ $\frac{15}{17}$

$\cos\theta = \frac{\square}{\square}$ $\frac{8}{17}$

$\tan\theta = \frac{\square}{\square}$ $\frac{15}{8}$

Q21



$\sin\theta = \frac{\square}{\square}$ $\frac{24}{25}$

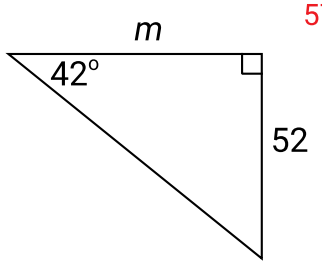
$\cos\theta = \frac{\square}{\square}$ $\frac{7}{25}$

$\tan\theta = \frac{\square}{\square}$ $\frac{24}{7}$

Q22

Find the value of *m*. [ ] (1 d.p.)

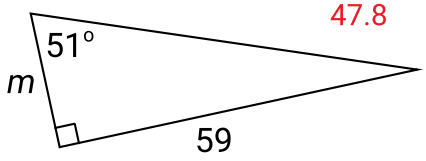
57.8



Q23

Find the value of *m*. [ ] (1 d.p.)

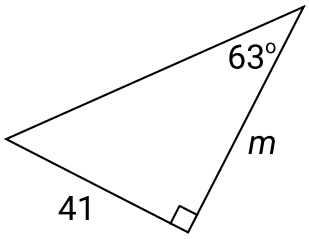
47.8



Q24

Find the value of *m*. [ ] (1 d.p.)

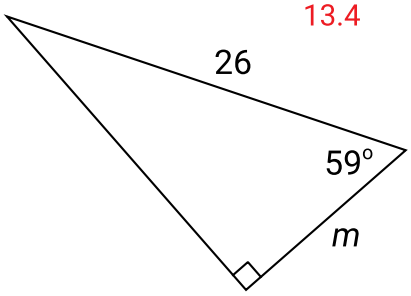
20.9



Q25

Find the value of *m*. [ ] (1 d.p.)

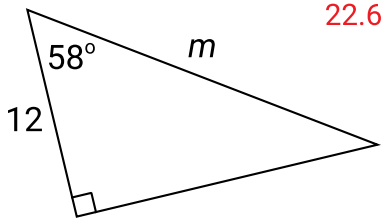
13.4



Q26

Find the value of m. [ ] (1 d.p.)

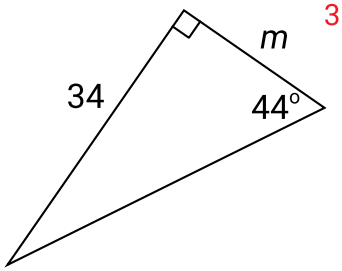
22.6



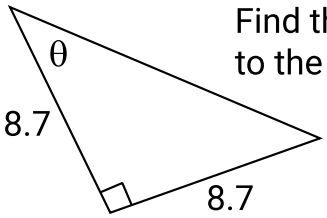
Q27

Find the value of m. [ ] (1 d.p.)

35.2



Q28



Find the value of θ correct to the nearest degree.

θ = [ ]°

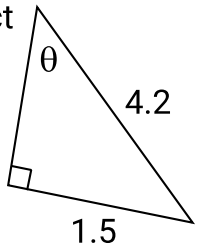
45

Q29

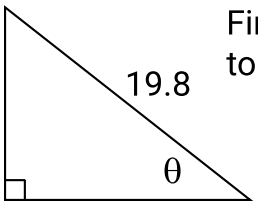
Find the value of θ correct to the nearest degree.

θ = [ ]°

21



Q30



Find the value of θ correct to the nearest degree.

θ = [ ]°

74