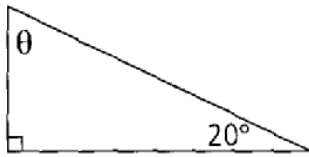
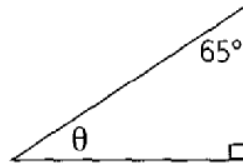


1 Find the size of the angle marked θ .

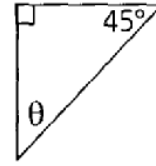
a



b



c



2 Find the complement of:

a 20°

b 75°

c 42°

3 Write down the value to three decimal places of:

a $\cos 20^\circ$

b $\sin 70^\circ$

c $\sin 38^\circ$

d $\cos 52^\circ$

4 Complete:

a $\sin 30^\circ = \cos \underline{\hspace{1cm}}$

b $\cos 18^\circ = \sin \underline{\hspace{1cm}}$

c $\sin 45^\circ = \cos \underline{\hspace{1cm}}$

5 If $\sin \theta = 0.6$ and $\cos \theta = 0.8$, find the value of $\tan \theta$.

6 Write down the exact value of:

a $\sin 30^\circ$

b $\tan 45^\circ$

c $\cos 60^\circ$

d $\sin 60^\circ$

e $\tan 30^\circ$

f $\cos 45^\circ$

g $\tan 60^\circ$

h $\sin 45^\circ$

i $\cos 30^\circ$

7 Determine whether each statement is true or false.

a $\sin 130^\circ = \sin 50^\circ$

b $\cos 110^\circ = \cos 70^\circ$

c $\tan 175^\circ = -\tan 5^\circ$

8 Find, correct to four decimal places:

a $\tan 102^\circ$

b $\sin 156^\circ$

c $\cos 173^\circ$

9 If A is an obtuse angle, find its size to the nearest degree, if:

a $\sin A = 0.237$

b $\cos A = -0.5$

c $\tan A = -1.2345$