

Trigonometry on a Calculator *fluency*



Work out. Give your answer to 1 decimal place.

1 $12 \cos 50^\circ$

2 $5 \tan 62^\circ$

3 $9 \sin 25^\circ$

4 $14 \cos 18^\circ$

5 $3.5 \tan 40^\circ$

6 $20 \sin 71^\circ$



Work out. Give your answer to 1 decimal place.

7 $9 \div \tan 40^\circ$

8 $15 \div \sin 70^\circ$

9 $7 \div \cos 35^\circ$

10 $4.8 \div \tan 55^\circ$

11 $11 \div \sin 28^\circ$

12 $26 \div \cos 64^\circ$



Find x to 1 decimal place

13 $\sin x = 0.4$

14 $\cos x = 0.75$

15 $\tan x = 2$

16 $\sin x = 0.85$

17 $\cos x = 0.2$

18 $\tan x = 0.6$



Find θ to 1 dp. opp is opposite θ , adj is next to θ , hyp is the hypotenuse. Lengths in cm.

19 opp = 5, hyp = 9

20 adj = 7, hyp = 10

21 opp = 6, adj = 4

22 opp = 3.2, hyp = 8

23 adj = 12, hyp = 15

24 opp = 2, adj = 9



The angle and one side are given. Find the side marked ? to 1 decimal place.

25 35° , hyp = 12 cm, opp = ?

26 50° , hyp = 8 cm, adj = ?

27 28° , adj = 15 cm, opp = ?

28 62° , opp = 9 cm, hyp = ?

29 40° , adj = 7 cm, hyp = ?

30 55° , opp = 11 cm, adj = ?