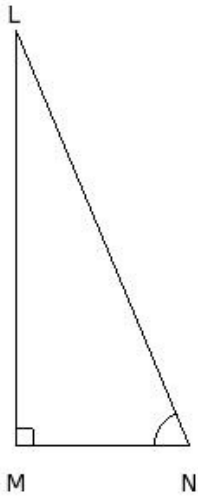


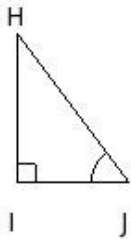


1. In the given figure, $\sin N =$



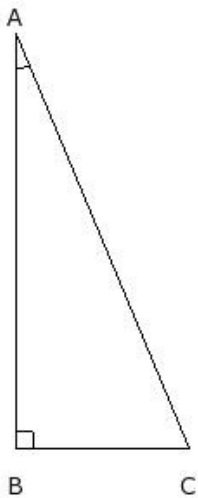
- (i) $\frac{NL}{ML}$ (ii) $\frac{NM}{LM}$ (iii) $\frac{LM}{LN}$ (iv) $\frac{LM}{NM}$ (v) $\frac{NM}{OM}$

2. In the given figure, $\cos J =$



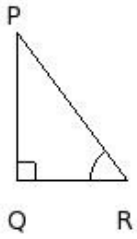
- (i) $\frac{JH}{JI}$ (ii) $\frac{KJ}{KI}$ (iii) $\frac{IJ}{IH}$ (iv) $\frac{IJ}{HJ}$ (v) $\frac{HJ}{HI}$

3. In the given figure, $\tan A =$



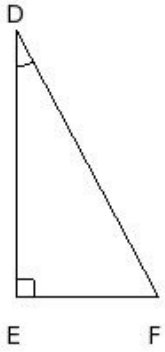
- (i) $\frac{AB}{CA}$ (ii) $\frac{DC}{CB}$ (iii) $\frac{BC}{CA}$ (iv) $\frac{BC}{AB}$ (v) $\frac{CB}{AC}$

4. In the given figure, $\cot R =$



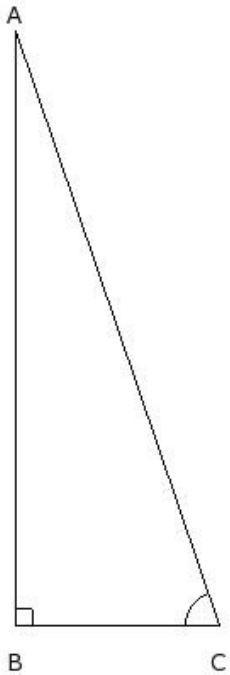
- (i) $\frac{RP}{PQ}$ (ii) $\frac{SR}{RQ}$ (iii) $\frac{QR}{RP}$ (iv) $\frac{QR}{PQ}$ (v) $\frac{PR}{RQ}$

5. In the given figure, $\sec D =$



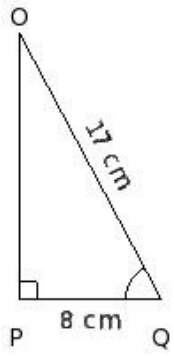
- (i) $\frac{DE}{DF}$ (ii) $\frac{FE}{FD}$ (iii) $\frac{ED}{FD}$ (iv) $\frac{GE}{FE}$ (v) $\frac{DF}{DE}$

6. In the given figure, $\operatorname{cosec} C =$



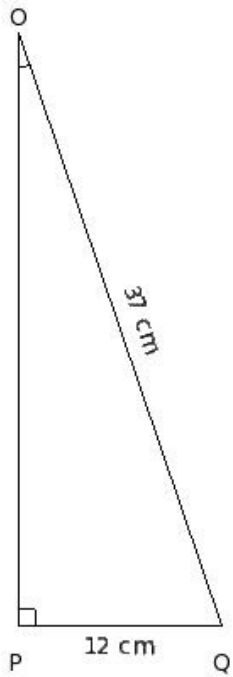
- (i) $\frac{AB}{CB}$ (ii) $\frac{BA}{CA}$ (iii) $\frac{CB}{AB}$ (iv) $\frac{AC}{AB}$ (v) $\frac{DB}{CB}$

7. In the given figure, $\sin Q =$



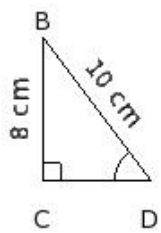
- (i) $\frac{15}{19}$ (ii) $\frac{15}{17}$ (iii) 1 (iv) $\frac{13}{17}$

8. In the given figure, $\cos O =$



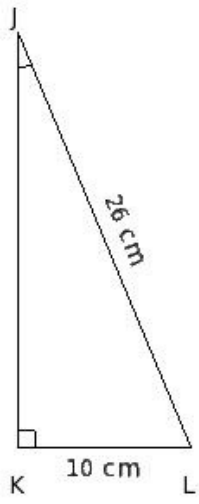
- (i) $\frac{35}{37}$ (ii) 1 (iii) $\frac{35}{39}$ (iv) $\frac{33}{37}$

9. In the given figure, $\tan D =$



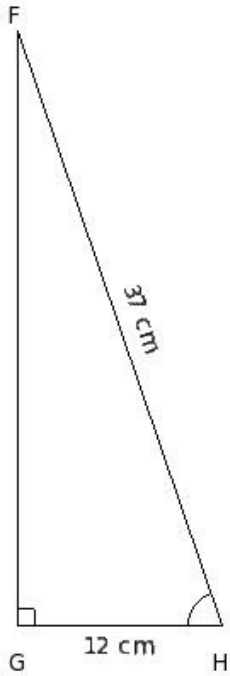
- (i) 2 (ii) $\frac{2}{3}$ (iii) $\frac{4}{3}$ (iv) $\frac{4}{5}$ (v) 4

10. In the given figure, $\cot J =$



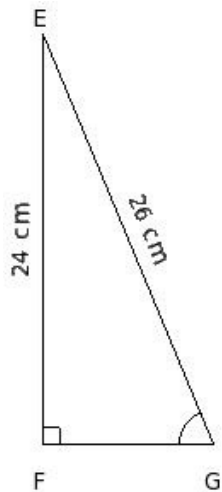
- (i) $\frac{12}{5}$ (ii) $\frac{12}{7}$ (iii) $\frac{14}{5}$ (iv) 2 (v) 4

11. In the given figure, $\sec H =$



- (i) $\frac{13}{4}$ (ii) $\frac{37}{12}$ (iii) $\frac{35}{12}$ (iv) $\frac{37}{14}$ (v) $\frac{37}{10}$

12. In the given figure, cosec G =



- (i) $\frac{5}{4}$ (ii) $\frac{13}{12}$ (iii) $\frac{13}{10}$ (iv) $\frac{11}{12}$ (v) $\frac{13}{14}$

13. sin L =

- (i) $\frac{1}{\sec L}$ (ii) $\frac{1}{\cos L}$ (iii) $\frac{1}{\tan L}$ (iv) $\frac{1}{\cot L}$ (v) $\frac{1}{\operatorname{cosec} L}$

14. cos K =

- (i) $\frac{1}{\sec K}$ (ii) $\frac{1}{\sin K}$ (iii) $\frac{1}{\cot K}$ (iv) $\frac{1}{\tan K}$ (v) $\frac{1}{\operatorname{cosec} K}$

15. tan K =

- (i) $\frac{1}{\operatorname{cosec} K}$ (ii) $\frac{1}{\cos K}$ (iii) $\frac{1}{\sin K}$ (iv) $\frac{1}{\cot K}$ (v) $\frac{1}{\sec K}$

16. cot F =

- (i) $\frac{1}{\sin F}$ (ii) $\frac{1}{\tan F}$ (iii) $\frac{1}{\operatorname{cosec} F}$ (iv) $\frac{1}{\cos F}$ (v) $\frac{1}{\sec F}$

17. sec G =

- (i) $\frac{1}{\operatorname{cosec} G}$ (ii) $\frac{1}{\cos G}$ (iii) $\frac{1}{\tan G}$ (iv) $\frac{1}{\cot G}$ (v) $\frac{1}{\sin G}$

18. cosec C =

- (i) $\frac{1}{\cot C}$ (ii) $\frac{1}{\cos C}$ (iii) $\frac{1}{\sin C}$ (iv) $\frac{1}{\sec C}$ (v) $\frac{1}{\tan C}$

19. In $\triangle OPQ$, right angled at P, if $OP = 15$ cm and $PQ = 8$ cm, find $\sin O$

- (i) $\frac{8}{19}$ (ii) $\frac{6}{17}$ (iii) $\frac{10}{17}$ (iv) $\frac{8}{17}$ (v) $\frac{8}{15}$

20. In $\triangle KLM$, right angled at L, if $KL = 35$ cm and $LM = 12$ cm, find $\cos M$

- (i) $\frac{12}{37}$ (ii) $\frac{4}{13}$ (iii) $\frac{10}{37}$ (iv) $\frac{12}{35}$ (v) $\frac{14}{37}$

21. In $\triangle JKL$, right angled at K, if $JK = 24$ cm and $KL = 10$ cm, find $\tan J$

- (i) $\frac{5}{14}$ (ii) $\frac{1}{4}$ (iii) $\frac{1}{2}$ (iv) $\frac{7}{12}$ (v) $\frac{5}{12}$

22. In $\triangle BCD$, right angled at C, if $BC = 15$ cm and $CD = 8$ cm, find $\cot D$

- (i) $\frac{2}{5}$ (ii) $\frac{2}{3}$ (iii) $\frac{8}{17}$ (iv) $\frac{8}{15}$ (v) $\frac{8}{13}$

23. In $\triangle NOP$, right angled at O, if $NO = 8$ cm and $OP = 6$ cm, find $\sec P$

- (i) $\frac{7}{3}$ (ii) $\frac{5}{3}$ (iii) 5 (iv) 1

24. In $\triangle HIJ$, right angled at I, if $HI = 35$ cm and $IJ = 12$ cm, find $\operatorname{cosec} H$

- (i) $\frac{37}{14}$ (ii) $\frac{37}{12}$ (iii) $\frac{13}{4}$ (iv) $\frac{35}{12}$ (v) $\frac{37}{10}$

Assignment Key

1) (iii)	2) (iv)	3) (iv)	4) (iv)	5) (v)	6) (iv)
7) (ii)	8) (i)	9) (iii)	10) (i)	11) (ii)	12) (ii)
13) (v)	14) (i)	15) (iv)	16) (ii)	17) (ii)	18) (iii)
19) (iv)	20) (i)	21) (v)	22) (iv)	23) (ii)	24) (ii)