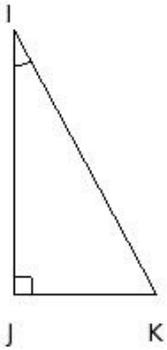


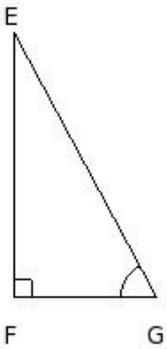


1. In the given figure, $\sin I =$



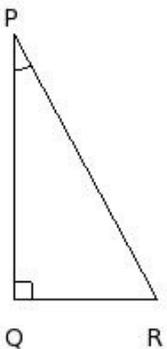
- (i) $\frac{LK}{LJ}$ (ii) $\frac{JK}{JI}$ (iii) $\frac{IJ}{KJ}$ (iv) $\frac{KJ}{IJ}$ (v) $\frac{JK}{IK}$

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



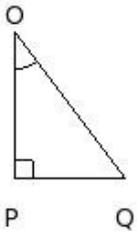
- (i) $\frac{FG}{EG}$ (ii) $\frac{EG}{EF}$ (iii) $\frac{GE}{GF}$ (iv) $\frac{HG}{HF}$ (v) $\frac{FG}{FE}$

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



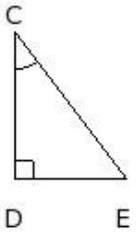
- (i) $\frac{RQ}{PR}$ (ii) $\frac{SR}{RQ}$ (iii) $\frac{PQ}{RP}$ (iv) $\frac{QR}{RP}$ (v) $\frac{QR}{PQ}$

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



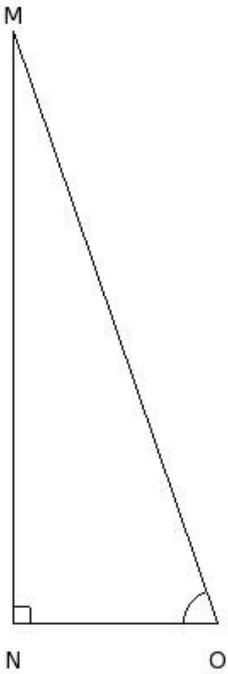
- (i) $\frac{QO}{OP}$ (ii) $\frac{QP}{RQ}$ (iii) $\frac{QO}{PQ}$ (iv) $\frac{OP}{PQ}$ (v) $\frac{OQ}{QP}$

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



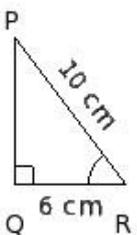
- (i) $\frac{ED}{EC}$ (ii) $\frac{DC}{EC}$ (iii) $\frac{CD}{CE}$ (iv) $\frac{FD}{ED}$ (v) $\frac{CE}{CD}$

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



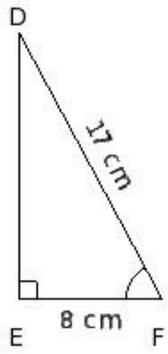
- (i) $\frac{PN}{ON}$ (ii) $\frac{MO}{MN}$ (iii) $\frac{ON}{MN}$ (iv) $\frac{NM}{OM}$ (v) $\frac{MN}{ON}$

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



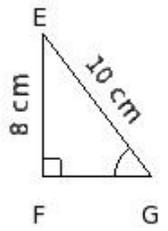
- (i) $\frac{4}{3}$ (ii) $\frac{4}{7}$ (iii) $\frac{4}{5}$ (iv) $\frac{2}{5}$ (v) $\frac{6}{5}$

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



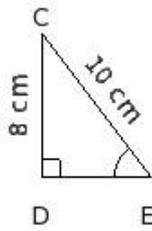
- (i) $\frac{8}{19}$ (ii) $\frac{6}{17}$ (iii) $\frac{10}{17}$ (iv) $\frac{8}{17}$ (v) $\frac{8}{15}$

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



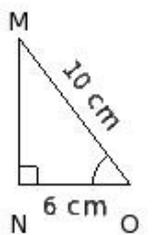
- (i) $\frac{4}{3}$ (ii) 2 (iii) $\frac{4}{5}$ (iv) $\frac{2}{3}$ (v) 4

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



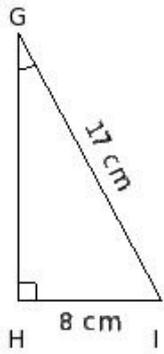
- (i) $\frac{5}{4}$ (ii) $\frac{1}{2}$ (iii) $\frac{3}{4}$ (iv) $\frac{1}{4}$ (v) $\frac{3}{2}$

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



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

12. In the given figure, cosec G =



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

13. sin B =

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

14. cos F =

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

15. tan D =

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

16. cot M =

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

17. sec M =

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

18. cosec C =

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

19. In $\triangle FGH$, right angled at G, if $FG = 24$ cm and $GH = 10$ cm, find sin H

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

20. In $\triangle HIJ$, right angled at I, if $HI = 15$ cm and $IJ = 8$ cm, find $\cos J$

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

21. In $\triangle EFG$, right angled at F, if $EF = 8$ cm and $FG = 6$ cm, find $\tan G$

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

22. In $\triangle FGH$, right angled at G, if $FG = 35$ cm and $GH = 12$ cm, find $\cot H$

- (i) $\frac{12}{37}$ (ii) $\frac{2}{7}$ (iii) $\frac{12}{35}$ (iv) $\frac{4}{11}$ (v) $\frac{2}{5}$

23. In $\triangle BCD$, right angled at C, if $BC = 35$ cm and $CD = 12$ cm, find $\sec B$

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

24. In $\triangle FGH$, right angled at G, if $FG = 15$ cm and $GH = 8$ cm, find $\operatorname{cosec} F$

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

Assignment Key

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