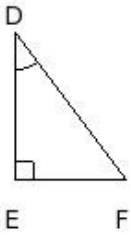


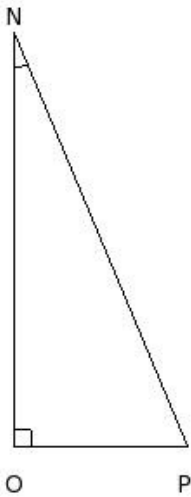


1. In the given figure, $\sin D =$



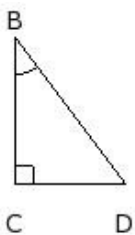
- (i) $\frac{GF}{GE}$ (ii) $\frac{EF}{ED}$ (iii) $\frac{EF}{DF}$ (iv) $\frac{DE}{FE}$ (v) $\frac{FE}{DE}$

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



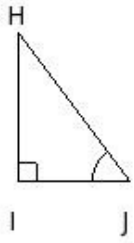
- (i) $\frac{PN}{PO}$ (ii) $\frac{NO}{NP}$ (iii) $\frac{NP}{NO}$ (iv) $\frac{PN}{ON}$ (v) $\frac{PO}{QO}$

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



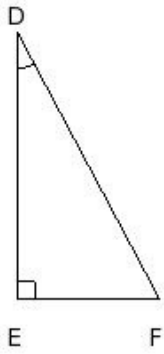
- (i) $\frac{CD}{DB}$ (ii) $\frac{DC}{BD}$ (iii) $\frac{CD}{BC}$ (iv) $\frac{BC}{DB}$ (v) $\frac{ED}{DC}$

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



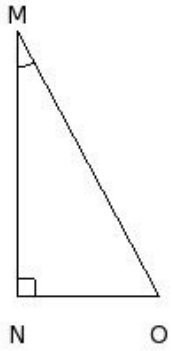
- (i) $\frac{JH}{HI}$ (ii) $\frac{IJ}{JH}$ (iii) $\frac{HJ}{JI}$ (iv) $\frac{IJ}{HI}$ (v) $\frac{KJ}{JI}$

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



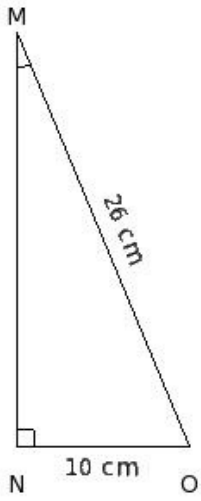
- (i) $\frac{DF}{DE}$ (ii) $\frac{FE}{FD}$ (iii) $\frac{ED}{FD}$ (iv) $\frac{DE}{DF}$ (v) $\frac{GE}{FE}$

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



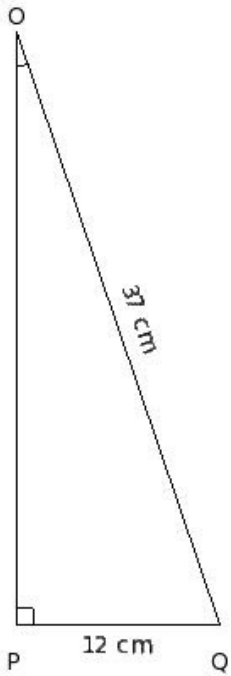
- (i) $\frac{ON}{MN}$ (ii) $\frac{NM}{NO}$ (iii) $\frac{MO}{NO}$ (iv) $\frac{MN}{ON}$ (v) $\frac{PN}{PO}$

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



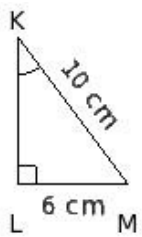
- (i) $\frac{1}{3}$ (ii) $\frac{5}{13}$ (iii) $\frac{7}{13}$ (iv) $\frac{3}{13}$ (v) $\frac{5}{11}$

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



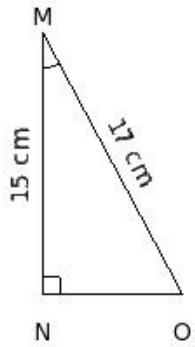
- (i) $\frac{35}{37}$ (ii) $\frac{33}{37}$ (iii) $\frac{35}{39}$ (iv) 1

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



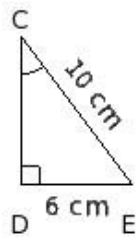
- (i) $\frac{1}{2}$ (ii) $\frac{5}{4}$ (iii) $\frac{3}{2}$ (iv) $\frac{3}{4}$ (v) $\frac{1}{4}$

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



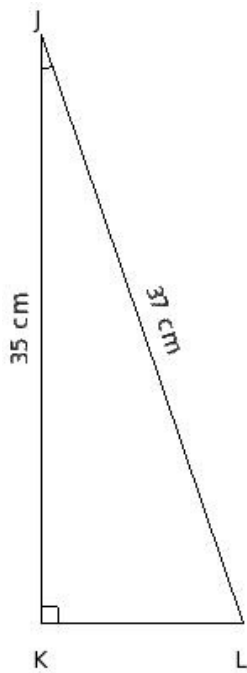
- (i) $\frac{15}{8}$ (ii) $\frac{13}{8}$ (iii) $\frac{5}{2}$ (iv) $\frac{3}{2}$ (v) $\frac{17}{8}$

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



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

12. In the given figure, $\operatorname{cosec} J =$



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

13. $\sin D =$

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

14. $\cos F =$

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

15. $\tan M =$

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

16. $\cot A =$

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

17. $\sec D =$

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

18. $\operatorname{cosec} J =$

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

19. In $\triangle ABC$, right angled at B, if $AB = 8$ cm and $BC = 6$ cm, find $\sin C$

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

20. In $\triangle IJK$, right angled at J, if $IJ = 15$ cm and $JK = 8$ cm, find $\cos K$

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

21. In $\triangle DEF$, right angled at E, if $DE = 15$ cm and $EF = 8$ cm, find $\tan F$

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

22. In $\triangle CDE$, right angled at D, if $CD = 15$ cm and $DE = 8$ cm, find $\cot E$

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

23. In $\triangle GHI$, right angled at H, if $GH = 15$ cm and $HI = 8$ cm, find $\sec G$

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

24. In $\triangle HIJ$, right angled at I, if $HI = 8$ cm and $IJ = 6$ cm, find cosec J

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

Assignment Key

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