EduSahara™ Assignment

Name : Finding a Trigonometric Ratio given other Ratio

Chapter : Trigonometrical Identities

Grade : ICSE Grade X

1. Given $\sin F = \frac{8}{17}$, find $\cos F$

(i) $\frac{15}{17}$ (ii) $\frac{8}{15}$ (iii) $\frac{15}{8}$ (iv) $\frac{17}{8}$ (v) $\frac{17}{15}$

2. Given $\sin G = \frac{3}{5}$, find $\tan G$

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

3. Given $\sin J = \frac{4}{5}$, find $\cot J$

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

4. Given $\sin E = \frac{5}{13}$, find $\sec E$

(i) $\frac{13}{5}$ (ii) $\frac{5}{12}$ (iii) $\frac{12}{13}$ (iv) $\frac{12}{5}$ (v) $\frac{13}{12}$

5. Given $\sin F = \frac{4}{5}$, find $\operatorname{cosec} F$

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

6. Given $\cos K = \frac{15}{17}$, find $\sin K$

(i) $\frac{8}{17}$ (ii) $\frac{17}{8}$ (iii) $\frac{15}{8}$ (iv) $\frac{8}{15}$ (v) $\frac{17}{15}$

7. Given $\cos E = \frac{4}{5}$, find $\tan E$

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

8. Given $\cos E = \frac{4}{5}$, find $\cot E$

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

9. Given $\cos G = \frac{12}{13}$, find $\sec G$

(i) $\frac{12}{5}$ (ii) $\frac{13}{5}$ (iii) $\frac{5}{13}$ (iv) $\frac{13}{12}$ (v) $\frac{5}{12}$

10. Given $\cos M = \frac{15}{17}$, find $\operatorname{cosec} M$

(i) $\frac{17}{15}$ (ii) $\frac{15}{8}$ (iii) $\frac{8}{15}$ (iv) $\frac{8}{17}$ (v) $\frac{17}{8}$

11. Given $\tan K = \frac{3}{4}$, find $\sin K$

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

12. Given $\tan E = \frac{8}{15}$, find $\cos E$

(i) $\frac{15}{8}$ (ii) $\frac{17}{8}$ (iii) $\frac{17}{15}$ (iv) $\frac{8}{17}$ (v) $\frac{15}{17}$

13. Given $\tan C = \frac{4}{3}$, find $\cot C$

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

14. Given $\tan J = \frac{8}{15}$, find $\sec J$

(i) $\frac{15}{8}$ (ii) $\frac{17}{8}$ (iii) $\frac{8}{17}$ (iv) $\frac{17}{15}$ (v) $\frac{15}{17}$

15. Given $\tan N = \frac{8}{15}$, find $\operatorname{cosec} N$

(i) $\frac{15}{17}$ (ii) $\frac{17}{15}$ (iii) $\frac{15}{8}$ (iv) $\frac{8}{17}$ (v) $\frac{17}{8}$

16. Given $\cot G = \frac{15}{8}$, find $\sin G$

(i) $\frac{8}{17}$ (ii) $\frac{17}{8}$ (iii) $\frac{17}{15}$ (iv) $\frac{8}{15}$ (v) $\frac{15}{17}$

17. Given $\cot J = \frac{12}{5}$, find $\cos J$

(i) $\frac{12}{13}$ (ii) $\frac{13}{5}$ (iii) $\frac{5}{13}$ (iv) $\frac{5}{12}$ (v) $\frac{13}{12}$

18. Given $\cot D = \frac{4}{3}$, find $\tan D$

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

19. Given $\cot E = \frac{3}{4}$, find $\sec E$

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

20. Given $\cot M = \frac{15}{8}$, find $\operatorname{cosec} M$

(i) $\frac{8}{15}$ (ii) $\frac{17}{15}$ (iii) $\frac{8}{17}$ (iv) $\frac{17}{8}$ (v) $\frac{15}{17}$

21. Given $\sec M = \frac{5}{4}$, find $\sin M$

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

22. Given $\sec F = \frac{13}{12}$, find $\cos F$

(i) $\frac{13}{5}$ (ii) $\frac{12}{5}$ (iii) $\frac{12}{13}$ (iv) $\frac{5}{12}$ (v) $\frac{5}{13}$

23. Given $\sec H = \frac{17}{15}$, find $\tan H$

(i) $\frac{15}{8}$ (ii) $\frac{8}{17}$ (iii) $\frac{15}{17}$ (iv) $\frac{17}{8}$ (v) $\frac{8}{15}$

24. Given $\sec A = \frac{13}{12}$, find $\cot A$

(i) $\frac{12}{13}$ (ii) $\frac{5}{13}$ (iii) $\frac{5}{12}$ (iv) $\frac{12}{5}$ (v) $\frac{13}{5}$

25. Given $\sec F = \frac{13}{12}$, find $\operatorname{cosec} F$

(i) $\frac{12}{13}$ (ii) $\frac{5}{12}$ (iii) $\frac{13}{5}$ (iv) $\frac{12}{5}$ (v) $\frac{5}{13}$

26. Given $\operatorname{cosec} H = \frac{5}{3}$, find $\sin H$

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

27. Given $\operatorname{cosec} K = \frac{5}{4}$, find $\cos K$

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

28. Given $\operatorname{cosec} P = \frac{5}{3}$, find $\tan P$

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

29. Given $\operatorname{cosec} E = \frac{5}{3}$, find $\cot E$

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

30. Given $\operatorname{cosec} J = \frac{5}{4}$, find $\sec J$

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

31. Given $\sin H = \frac{4}{5}$, find $\cos H$

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

32. Given $\sin H = \frac{1}{3}$, find $\tan H$

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

33. Given $\sin A = \frac{5}{6}$, find $\cot A$

(i) $\frac{1}{6}\sqrt{11}$ (ii) $\frac{5}{11}\sqrt{11}$ (iii) $\frac{6}{11}\sqrt{11}$ (iv) $\frac{1}{5}\sqrt{11}$ (v) $\frac{6}{5}$

34. Given $\sin F = \frac{2}{3}$, find $\sec F$

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

35. Given $\sin G = \frac{2}{9}$, find $\operatorname{cosec} G$

(i) $\frac{9}{77}\sqrt{77}$ (ii) $\frac{2}{77}\sqrt{77}$ (iii) $\frac{1}{9}\sqrt{77}$ (iv) $\frac{1}{2}\sqrt{77}$ (v) $\frac{9}{2}$

36. Given $\cos J = \frac{1}{7}\sqrt{13}$, find $\sin J$

(i) $\frac{1}{6}\sqrt{13}$ (ii) $\frac{7}{13}\sqrt{13}$ (iii) $\frac{7}{6}$ (iv) $\frac{6}{7}$ (v) $\frac{6}{13}\sqrt{13}$

37. Given $\cos P = \frac{1}{4}\sqrt{15}$, find $\tan P$

(i) $\frac{1}{15}\sqrt{15}$ (ii) $\frac{4}{15}\sqrt{15}$ (iii) $\sqrt{15}$ (iv) 4 (v) $\frac{1}{4}$

38. Given $\cos N = \frac{1}{9}\sqrt{77}$, find $\cot N$

(i) $\frac{1}{2}\sqrt{77}$ (ii) $\frac{9}{2}$ (iii) $\frac{2}{77}\sqrt{77}$ (iv) $\frac{2}{9}$ (v) $\frac{9}{77}\sqrt{77}$

39. Given $\cos N = \frac{2}{5}\sqrt{6}$, find $\sec N$

(i) 5 (ii) $\frac{1}{12}\sqrt{6}$ (iii) $\frac{1}{5}$ (iv) $2\sqrt{6}$ (v) $\frac{5}{12}\sqrt{6}$

40. Given $\cos K = \frac{1}{5}\sqrt{21}$, find $\operatorname{cosec} K$

(i) $\frac{5}{21}\sqrt{21}$ (ii) $\frac{5}{2}$ (iii) $\frac{2}{21}\sqrt{21}$ (iv) $\frac{2}{5}$ (v) $\frac{1}{2}\sqrt{21}$

41. Given $\tan M = \frac{6}{13}\sqrt{13}$, find $\sin M$

(i) $\frac{7}{6}$ (ii) $\frac{6}{7}$ (iii) $\frac{7}{13}\sqrt{13}$ (iv) $\frac{1}{7}\sqrt{13}$ (v) $\frac{1}{6}\sqrt{13}$

42. Given $\tan P = \frac{1}{4}\sqrt{2}$, find $\cos P$

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

43. Given $\tan M = \frac{1}{3}\sqrt{3}$, find $\cot M$

(i) $\frac{1}{2}$ (ii) $\sqrt{3}$ (iii) $\frac{1}{2}\sqrt{3}$ (iv) $\frac{2}{3}\sqrt{3}$ (v) 2

44. Given $\tan H = \frac{5}{28}\sqrt{14}$, find $\sec H$

(i) $\frac{2}{5}\sqrt{14}$ (ii) $\frac{9}{5}$ (iii) $\frac{2}{9}\sqrt{14}$ (iv) $\frac{9}{28}\sqrt{14}$ (v) $\frac{5}{9}$

45. Given $\tan D = \frac{5}{12}\sqrt{6}$, find $\operatorname{cosec} D$

(i) $\frac{7}{5}$ (ii) $\frac{2}{5}\sqrt{6}$ (iii) $\frac{2}{7}\sqrt{6}$ (iv) $\frac{5}{7}$ (v) $\frac{7}{12}\sqrt{6}$

46. Given $\cot M = \frac{1}{5}\sqrt{11}$, find $\sin M$

(i) $\frac{6}{11}\sqrt{11}$ (ii) $\frac{5}{6}$ (iii) $\frac{5}{11}\sqrt{11}$ (iv) $\frac{6}{5}$ (v) $\frac{1}{6}\sqrt{11}$

47. Given $\cot H = \frac{1}{4}\sqrt{33}$, find $\cos H$

(i) $\frac{7}{33}\sqrt{33}$ (ii) $\frac{4}{33}\sqrt{33}$ (iii) $\frac{7}{4}$ (iv) $\frac{1}{7}\sqrt{33}$ (v) $\frac{4}{7}$

48. Given $\cot N = \sqrt{35}$, find $\tan N$

(i) 6 (ii) $\frac{1}{6}\sqrt{35}$ (iii) $\frac{1}{6}$ (iv) $\frac{1}{35}\sqrt{35}$ (v) $\frac{6}{35}\sqrt{35}$

49. Given $\cot F = \frac{1}{6}\sqrt{13}$, find $\sec F$

(i) $\frac{7}{6}$ (ii) $\frac{6}{7}$ (iii) $\frac{1}{7}\sqrt{13}$ (iv) $\frac{6}{13}\sqrt{13}$ (v) $\frac{7}{13}\sqrt{13}$

50. Given $\cot J = \frac{2}{5}\sqrt{14}$, find $\operatorname{cosec} J$

(i) $\frac{9}{28}\sqrt{14}$ (ii) $\frac{5}{9}$ (iii) $\frac{5}{28}\sqrt{14}$ (iv) $\frac{2}{9}\sqrt{14}$ (v) $\frac{9}{5}$

51. Given $\sec M = \frac{2}{3}\sqrt{3}$, find $\sin M$

(i) $\frac{1}{3}\sqrt{3}$ (ii) $\frac{1}{2}\sqrt{3}$ (iii) 2 (iv) $\sqrt{3}$ (v) $\frac{1}{2}$

52. Given $\sec G = \frac{7}{33}\sqrt{33}$, find $\cos G$

(i) $\frac{1}{4}\sqrt{33}$ (ii) $\frac{4}{7}$ (iii) $\frac{7}{4}$ (iv) $\frac{1}{7}\sqrt{33}$ (v) $\frac{4}{33}\sqrt{33}$

53. Given $\sec D = \frac{6}{11}\sqrt{11}$, find $\tan D$

(i) $\frac{5}{6}$ (ii) $\frac{1}{5}\sqrt{11}$ (iii) $\frac{5}{11}\sqrt{11}$ (iv) $\frac{1}{6}\sqrt{11}$ (v) $\frac{6}{5}$

54. Given $\sec E = \frac{3}{5}\sqrt{5}$, find $\cot E$

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

55. Given $\sec D = \frac{2}{3}\sqrt{3}$, find $\operatorname{cosec} D$

(i) $\frac{1}{2}$ (ii) $\sqrt{3}$ (iii) $\frac{1}{3}\sqrt{3}$ (iv) 2 (v) $\frac{1}{2}\sqrt{3}$

56. Given $\operatorname{cosec} H = \frac{7}{2}$, find $\sin H$

(i) $\frac{3}{7}\sqrt{5}$ (ii) $\frac{7}{15}\sqrt{5}$ (iii) $\frac{3}{2}\sqrt{5}$ (iv) $\frac{2}{7}$ (v) $\frac{2}{15}\sqrt{5}$

57. Given $\operatorname{cosec} J = 5$, find $\cos J$

(i) $\frac{1}{5}$ (ii) $2\sqrt{6}$ (iii) $\frac{5}{12}\sqrt{6}$ (iv) $\frac{1}{12}\sqrt{6}$ (v) $\frac{2}{5}\sqrt{6}$

58. Given $\operatorname{cosec} D = \frac{6}{5}$, find $\tan D$

(i) $\frac{5}{6}$ (ii) $\frac{5}{11}\sqrt{11}$ (iii) $\frac{1}{6}\sqrt{11}$ (iv) $\frac{1}{5}\sqrt{11}$ (v) $\frac{6}{11}\sqrt{11}$

59. Given $\operatorname{cosec} D = \frac{9}{5}$, find $\cot D$

(i) $\frac{5}{9}$ (ii) $\frac{2}{9}\sqrt{14}$ (iii) $\frac{2}{5}\sqrt{14}$ (iv) $\frac{5}{28}\sqrt{14}$ (v) $\frac{9}{28}\sqrt{14}$

60. Given $\operatorname{cosec} A = 4$, find $\sec A$

(i) $\frac{4}{15}\sqrt{15}$ (ii) $\frac{1}{4}$ (iii) $\frac{1}{15}\sqrt{15}$ (iv) $\frac{1}{4}\sqrt{15}$ (v) $\sqrt{15}$

61. Given that $5\sin\theta = 3$, find $\cos\theta$

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

62. Given that $17\sin\theta = 8$, find $\tan\theta$

(i) $\frac{8}{15}$ (ii) $\frac{17}{8}$ (iii) $\frac{15}{17}$ (iv) $\frac{17}{15}$ (v) $\frac{15}{8}$

63. Given that $13\sin\theta = 5$, find $\cot\theta$

(i) $\frac{13}{5}$ (ii) $\frac{12}{5}$ (iii) $\frac{5}{12}$ (iv) $\frac{13}{12}$ (v) $\frac{12}{13}$

64. Given that $5\sin\theta = 4$, find $\sec\theta$

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

65. Given that $13\sin\theta = 5$, find $\operatorname{cosec}\theta$

(i) $\frac{12}{5}$ (ii) $\frac{13}{12}$ (iii) $\frac{12}{13}$ (iv) $\frac{5}{12}$ (v) $\frac{13}{5}$

66. Given that $13\cos\theta = 12$, find $\sin\theta$

(i) $\frac{13}{12}$ (ii) $\frac{5}{12}$ (iii) $\frac{13}{5}$ (iv) $\frac{12}{5}$ (v) $\frac{5}{13}$

67. Given that $17\cos\theta = 15$, find $\tan\theta$

(i) $\frac{15}{8}$ (ii) $\frac{17}{15}$ (iii) $\frac{8}{15}$ (iv) $\frac{8}{17}$ (v) $\frac{17}{8}$

68. Given that $13\cos\theta = 12$, find $\cot\theta$

(i) $\frac{5}{13}$ (ii) $\frac{13}{12}$ (iii) $\frac{13}{5}$ (iv) $\frac{5}{12}$ (v) $\frac{12}{5}$

69. Given that $13\cos\theta = 12$, find $\sec\theta$

(i) $\frac{5}{12}$ (ii) $\frac{12}{5}$ (iii) $\frac{13}{12}$ (iv) $\frac{5}{13}$ (v) $\frac{13}{5}$

70. Given that $5\cos\theta = 3$, find $\operatorname{cosec}\theta$

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

71. Given that $15\tan\theta = 8$, find $\sin\theta$

(i) $\frac{15}{17}$ (ii) $\frac{15}{8}$ (iii) $\frac{17}{15}$ (iv) $\frac{17}{8}$ (v) $\frac{8}{17}$

72. Given that $15\tan\theta = 8$, find $\cos\theta$

(i) $\frac{17}{15}$ (ii) $\frac{8}{17}$ (iii) $\frac{17}{8}$ (iv) $\frac{15}{8}$ (v) $\frac{15}{17}$

73. Given that $4\tan\theta = 3$, find $\cot\theta$

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

74. Given that $4\tan\theta = 3$, find $\sec\theta$

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

75. Given that $12\tan\theta = 5$, find $\operatorname{cosec}\theta$

(i) $\frac{5}{13}$ (ii) $\frac{13}{12}$ (iii) $\frac{13}{5}$ (iv) $\frac{12}{13}$ (v) $\frac{12}{5}$

76. Given that $3\cot\theta = 4$, find $\sin\theta$

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

77. Given that $8\cot\theta = 15$, find $\cos\theta$

(i) $\frac{15}{17}$ (ii) $\frac{8}{17}$ (iii) $\frac{8}{15}$ (iv) $\frac{17}{8}$ (v) $\frac{17}{15}$

78. Given that $5\cot\theta = 12$, find $\tan\theta$

(i) $\frac{5}{13}$ (ii) $\frac{12}{13}$ (iii) $\frac{5}{12}$ (iv) $\frac{13}{12}$ (v) $\frac{13}{5}$

79. Given that $8\cot\theta = 15$, find $\sec\theta$

(i) $\frac{17}{15}$ (ii) $\frac{17}{8}$ (iii) $\frac{8}{15}$ (iv) $\frac{8}{17}$ (v) $\frac{15}{17}$

80. Given that $5\cot\theta = 12$, find $\operatorname{cosec}\theta$

(i) $\frac{5}{13}$ (ii) $\frac{12}{13}$ (iii) $\frac{5}{12}$ (iv) $\frac{13}{12}$ (v) $\frac{13}{5}$

81. Given that $3\sec\theta = 5$, find $\sin\theta$

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

82. Given that $4\sec\theta = 5$, find $\cos\theta$

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

83. Given that $4\sec\theta = 5$, find $\tan\theta$

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

84. Given that $12\sec\theta = 13$, find $\cot\theta$

(i) $\frac{13}{5}$ (ii) $\frac{5}{13}$ (iii) $\frac{5}{12}$ (iv) $\frac{12}{13}$ (v) $\frac{12}{5}$

85. Given that $3\sec\theta = 5$, find $\operatorname{cosec}\theta$

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

86. Given that $8\operatorname{cosec}\theta = 17$, find $\sin\theta$

(i) $\frac{8}{15}$ (ii) $\frac{15}{17}$ (iii) $\frac{8}{17}$ (iv) $\frac{17}{15}$ (v) $\frac{15}{8}$

87. Given that $4\operatorname{cosec}\theta = 5$, find $\cos\theta$

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

88. Given that $4\operatorname{cosec}\theta = 5$, find $\tan\theta$

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

89. Given that $4\operatorname{cosec}\theta = 5$, find $\cot\theta$

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

90. Given that $3\operatorname{cosec}\theta = 5$, find $\sec\theta$

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

Assignment Key

1) (i)	2) (i)	3) (iii)	4) (v)	5) (ii)	6) (i)
7) (iii)	8) (v)	9) (iv)	10) (v)	11) (iii)	12) (v)
13) (i)	14) (iv)	15) (v)	16) (i)	17) (i)	18) (i)
19) (iv)	20) (iv)	21) (v)	22) (iii)	23) (v)	24) (iv)
25) (iii)	26) (i)	27) (iii)	28) (iii)	29) (v)	30) (iv)
31) (iii)	32) (iv)	33) (iv)	34) (v)	35) (v)	36) (iv)
37) (i)	38) (i)	39) (v)	40) (ii)	41) (ii)	42) (i)
43) (ii)	44) (iv)	45) (i)	46) (ii)	47) (iv)	48) (iv)
49) (v)	50) (v)	51) (v)	52) (iv)	53) (iii)	54) (ii)
55) (iv)	56) (iv)	57) (v)	58) (ii)	59) (iii)	60) (i)
61) (v)	62) (i)	63) (ii)	64) (ii)	65) (v)	66) (v)
67) (iii)	68) (v)	69) (iii)	70) (ii)	71) (v)	72) (v)
73) (i)	74) (iii)	75) (iii)	76) (i)	77) (i)	78) (iii)
79) (i)	80) (v)	81) (i)	82) (iv)	83) (iii)	84) (v)
85) (iv)	86) (iii)	87) (iii)	88) (v)	89) (v)	90) (iii)