EduSahara™ Assignment

Name : Finding a Trigonometric Ratio given other Ratio

Chapter : Trigonometrical Identities

Grade : ICSE Grade X

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

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

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

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

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

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

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

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

5. Given $\sin E = \frac{5}{13}$, find $\operatorname{cosec} E$

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

6. Given $\cos G = \frac{3}{5}$, find $\sin G$

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

7. Given $\cos P = \frac{3}{5}$, find $\tan P$

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

8. Given $\cos H = \frac{15}{17}$, find $\cot H$

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

9. Given $\cos E = \frac{3}{5}$, find $\sec E$

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

10. Given $\cos E = \frac{12}{13}$, find $\operatorname{cosec} E$

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

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

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

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

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

13. Given $\tan N = \frac{5}{12}$, find $\cot N$

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

14. Given $\tan K = \frac{4}{3}$, find $\sec K$

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

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

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

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

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

17. Given $\cot H = \frac{4}{3}$, find $\cos H$

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

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

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

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

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

20. Given $\cot N = \frac{12}{5}$, find $\operatorname{cosec} N$

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

21. Given $\sec P = \frac{13}{12}$, find $\sin P$

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

22. Given $\sec G = \frac{5}{4}$, find $\cos G$

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

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

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

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

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

25. Given $\sec H = \frac{17}{15}$, find $\operatorname{cosec} H$

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

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

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

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

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

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

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

29. Given $\operatorname{cosec} B = \frac{13}{5}$, find $\cot B$

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

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

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

31. Given $\sin P = \frac{1}{3}$, find $\cos P$

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

32. Given $\sin F = \frac{2}{3}$, find $\tan F$

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

33. Given $\sin N = \frac{1}{2}$, find $\cot N$

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

34. Given $\sin C = \frac{4}{9}$, find $\sec C$

(i) $\frac{4}{65}\sqrt{65}$ (ii) $\frac{9}{65}\sqrt{65}$ (iii) $\frac{9}{4}$ (iv) $\frac{1}{9}\sqrt{65}$ (v) $\frac{1}{4}\sqrt{65}$

35. Given $\sin H = \frac{1}{2}$, find $\operatorname{cosec} H$

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

36. Given $\cos P = \frac{1}{3}\sqrt{5}$, find $\sin P$

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

37. Given $\cos A = \frac{3}{7}\sqrt{5}$, find $\tan A$

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

38. Given $\cos N = \frac{1}{8}\sqrt{15}$, find $\cot N$

(i) $\frac{1}{7}\sqrt{15}$ (ii) $\frac{8}{15}\sqrt{15}$ (iii) $\frac{8}{7}$ (iv) $\frac{7}{15}\sqrt{15}$ (v) $\frac{7}{8}$

39. Given $\cos B = \frac{1}{4}\sqrt{15}$, find $\sec B$

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

40. Given $\cos P = \frac{3}{5}$, find $\operatorname{cosec} P$

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

41. Given $\tan N = \frac{1}{15}\sqrt{15}$, find $\sin N$

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

42. Given $\tan M = \frac{3}{55}\sqrt{55}$, find $\cos M$

(i) $\frac{8}{55}\sqrt{55}$ (ii) $\frac{3}{8}$ (iii) $\frac{8}{3}$ (iv) $\frac{1}{8}\sqrt{55}$ (v) $\frac{1}{3}\sqrt{55}$

43. Given $\tan N = \frac{6}{13}\sqrt{13}$, find $\cot N$

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

44. Given $\tan A = \frac{1}{4}\sqrt{2}$, find $\sec A$

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

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

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

46. Given $\cot N = \sqrt{3}$, find $\sin N$

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

47. Given $\cot B = \frac{1}{2}\sqrt{5}$, find $\cos B$

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

48. Given $\cot B = \frac{1}{2}\sqrt{5}$, find $\tan B$

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

49. Given $\cot A = \sqrt{3}$, find $\sec A$

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

50. Given $\cot A = \frac{1}{4}\sqrt{65}$, find $\operatorname{cosec} A$

(i) $\frac{4}{65}\sqrt{65}$ (ii) $\frac{4}{9}$ (iii) $\frac{1}{9}\sqrt{65}$ (iv) $\frac{9}{65}\sqrt{65}$ (v) $\frac{9}{4}$

51. Given $\sec J = \frac{6}{35}\sqrt{35}$, find $\sin J$

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

52. Given $\sec J = \frac{9}{17}\sqrt{17}$, find $\cos J$

(i) $\frac{1}{9}\sqrt{17}$ (ii) $\frac{9}{8}$ (iii) $\frac{8}{17}\sqrt{17}$ (iv) $\frac{8}{9}$ (v) $\frac{1}{8}\sqrt{17}$

53. Given $\sec J = \frac{5}{21}\sqrt{21}$, find $\tan J$

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

54. Given $\sec D = \frac{9}{77}\sqrt{77}$, find $\cot D$

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

55. Given $\sec E = \frac{9}{77}\sqrt{77}$, find $\operatorname{cosec} E$

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

56. Given $\operatorname{cosec} G = 8$, find $\sin G$

(i) $\frac{3}{8}\sqrt{7}$ (ii) $\frac{8}{21}\sqrt{7}$ (iii) $\frac{1}{8}$ (iv) $3\sqrt{7}$ (v) $\frac{1}{21}\sqrt{7}$

57. Given $\operatorname{cosec} H = \frac{5}{4}$, find $\cos H$

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

58. Given $\operatorname{cosec} N = 4$, find $\tan N$

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

59. Given $\operatorname{cosec} E = 4$, find $\cot E$

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

60. Given $\operatorname{cosec} B = 2$, find $\sec B$

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

61. Given that $5\sin\theta = 4$, find $\cos\theta$

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

62. Given that $5\sin\theta = 4$, find $\tan\theta$

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

63. Given that $5\sin\theta = 3$, find $\cot\theta$

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

64. Given that $17\sin\theta = 8$, find $\sec\theta$

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

65. Given that $5\sin\theta = 3$, find $\operatorname{cosec}\theta$

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

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

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

67. Given that $5\cos\theta = 4$, find $\tan\theta$

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

68. Given that $5\cos\theta = 3$, find $\cot\theta$

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

69. Given that $5\cos\theta = 3$, find $\sec\theta$

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

70. Given that $17\cos\theta = 15$, find $\operatorname{cosec}\theta$

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

71. Given that $4\tan\theta = 3$, find $\sin\theta$

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

72. Given that $12\tan\theta = 5$, find $\cos\theta$

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

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

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

74. Given that $15\tan\theta = 8$, find $\sec\theta$

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

75. Given that $4\tan\theta = 3$, find $\operatorname{cosec}\theta$

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

76. Given that $8\cot\theta = 15$, find $\sin\theta$

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

77. Given that $4\cot\theta = 3$, find $\cos\theta$

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

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

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

79. Given that $5\cot\theta = 12$, find $\sec\theta$

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

80. Given that $8\cot\theta = 15$, find $\operatorname{cosec}\theta$

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

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

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

82. Given that $3\sec\theta = 5$, find $\cos\theta$

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

83. Given that $3\sec\theta = 5$, find $\tan\theta$

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

84. Given that $4\sec\theta = 5$, find $\cot\theta$

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

85. Given that $15\sec\theta = 17$, find $\operatorname{cosec}\theta$

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

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

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

87. Given that $8\operatorname{cosec}\theta = 17$, find $\cos\theta$

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

88. Given that $3\operatorname{cosec}\theta = 5$, find $\tan\theta$

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

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

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

90. Given that $4\operatorname{cosec}\theta = 5$, find $\sec\theta$

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

Assignment Key

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

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