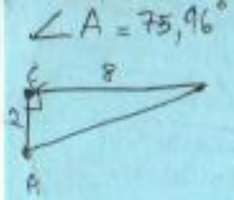
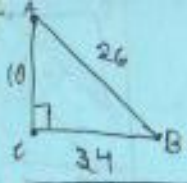
$\angle A = 75,96°$



COS

$TAN(A) = TAN^{-1}\left(\frac{B}{2}\right)$ ✓

$TAN^{-1}\left(\frac{8}{2}\right) = 75,96375365$



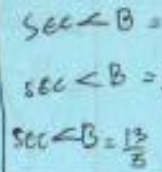
$\cot(\angle B) = \frac{A}{O} = \frac{24}{10}$

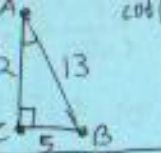
$\cot(\angle B) = \frac{12}{5}$ ✓

$\sec\angle B = \cos(B) = \frac{A}{H} = \frac{H}{A}$

$\sec\angle B = \frac{26}{10}$

$\sec\angle B = \frac{13}{5}$ ✓





$\cos(\angle A) = \frac{A}{H} = \frac{5}{13}$

$m\angle A = \frac{7}{\sin(28)} = \frac{5}{\sin(A)}$

$\sin(A) = \frac{5\sin(0.8)}{7}$

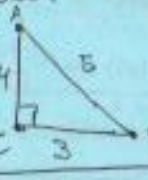
$\sin^{-1}(\sin(A)) =$

$= 1,959302172$ ✓

60

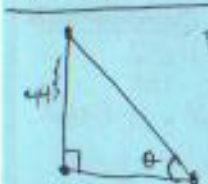
$\csc(\angle B) =$

$CSC = \frac{H}{O}$ $CSC(B) = \frac{5}{4}$



✓

61



18 m

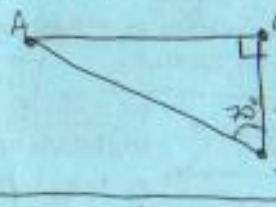
$TAN^{-1}(\theta) = \frac{44}{18}$ ✓

$TAN^{-1}\left(\frac{443}{18}\right) = 87,67$

$\theta = 87,67323347°$

62

$AC = 8,24$

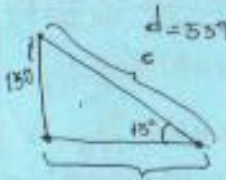


$TAN(70) = \frac{O}{3}$

$O = 3TAN(70)$

$O = 8,242432226$ ✓

63



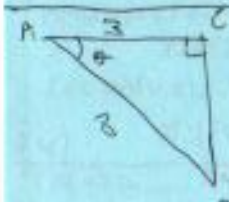
$d = 559,8$ $TAN(15) = \frac{150\,m}{d}$

$d = \frac{150\,m}{TAN(15)}$

$d = 559,3076214\,m$

$c = \frac{150\,m}{\sin(15°)}$ $c = 579,5554956$ ✓

64



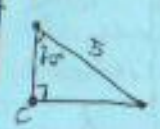
$\angle A = 67,97$

$\cos^{-1}\left(\frac{3}{8}\right) = \theta$

$\theta = 67,97568872$ ✓

65

$BC = 4,7$ $\cos(70) = \frac{A}{5}$



$A = 5\cos(70)$

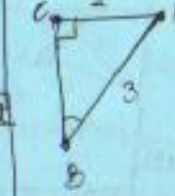
$A = 1,710100972$ ✓

66

$\sin(\theta) = \sin^{-1}\left(\frac{33}{80}\right)$

$\sin(\theta) = 24,36197719°$

67

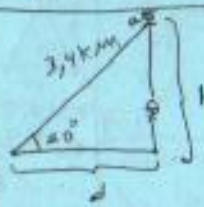


$\angle B = 41,81$

$\sin(B) = \sin^{-1}\left(\frac{2}{3}\right)$

$\sin(B) = 41,81031490°$

68



$\cos(20) = \frac{3,4\,Km}{d}$

$d = \frac{3,4}{\cos(20)}$

$d = 3,619124473\,Km$

$\cos(20) = \frac{d}{3,4}$ $\cos(20)3,4 = d$

$d = 3,194954491\,Km$ ✓

69

$AC = 2,1$

$TAN(35) = \frac{AC}{3}$

$AC = 3TAN(35)$

$AC = 2,100622261$

70

$TAN(35) = \frac{A}{AC}$

$AC = \frac{3}{TAN(35)}$ $AC = 4,284444202$ ✓

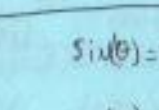
71

$\angle B =$

$TAN(B) = TAN^{-1}\left(\frac{4}{3}\right)$

$\angle B = 53,13010244°$

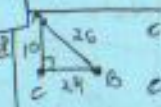
72



$TAN(\theta) = TAN^{-1}\left(\frac{7}{20}\right)$

$\theta = 19,29004762°$

73



$\csc(\angle B) = \frac{O}{H} = \frac{H}{O} = \frac{26}{10}$

$\csc(\angle B) = 13/5$

74

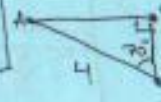
$AB = \frac{2}{\tan(20)}$

$AB = \frac{2}{\sin(20)}$ $= 5,847660308$

$\cos = \frac{A}{H}$ $\cos(20) = \frac{2}{H}$ $H = \frac{2}{\cos(20)}$

$H = 2,128848441$ ✓

75

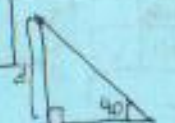


$AC = \sin(70) = \frac{O}{4}$

$O = 4\sin(70)$

$AC = 3,758770481$ ✓

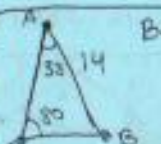
76



$TAN(40) = \frac{O}{A} = \frac{d}{10}$

$d = 10\tan(40) = 8,390996311$ ✓

77



$BC = 8,175$ ✓

$\frac{BC}{\sin(32)} = \frac{14}{\sin(80)}$

$BC = \frac{14\sin(32)}{\sin 80} = 8,752226644$

78

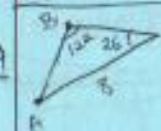
$m\angle A = 36,44$

$\frac{6}{\sin(A)} = \frac{9}{\sin(63)}$ $\sin(A) = \frac{6\sin(63)}{9}$

$\sin(A) = 0,594004349$ $\sin^{-1}(\sin(A)) = \theta$

$\theta = 36,44168869$ ✓

79

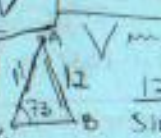


$AB =$

$\frac{8}{\sin(122)} = \frac{AB}{\sin(26)}$

$AB = \frac{8\sin(26)}{\sin(122)} = 4,135534231$ ✓

80

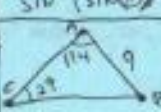


$m\angle B = 61,23°$ $\sin(73) = \frac{11\sin(\theta)}{12}$

$\frac{12}{\sin(73)} = \frac{11}{\sin(B)}$ $\sin(B) = 0,87661$

$\sin^{-1}(\sin(B)) = 61,23641157°$ ✓

81

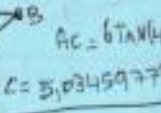


$BC = 14\sin$

$\frac{9}{\sin(29)} = \frac{BC}{\sin(14)}$ $BC = \frac{9\sin(14)}{\sin(29)}$

82

$AC = TAN(40) = \frac{11}{6}$

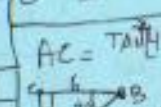


$AC = 6TAN(40)$

$AC = 5,034599779$

83

$\sec(\angle B) = \frac{H}{3}$



✓

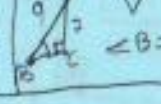
84

$\theta = TAN^{-1}\left(\frac{324}{354}\right)$

$\theta = 80,53$ ✓

85

$\angle B = \sin^{-1}\left(\frac{7}{9}\right)$

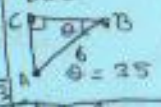


✓

$\angle B = 51,05$

86

$BC =$ $\cos(35) = \frac{B}{6}$



$BC = 6\cos(35)$ ✓

$BC = 4,914492237$

87

$10x^2 = 6 + 9x$ ✓

$-10x^2 + 9x + 6 = 0$

$x = \frac{-(9) \pm \sqrt{(9)^2 - 4(-10)(6)}}{2(-10)}$

$x = \frac{-9 \pm \sqrt{81 + 240}}{-20}$

$x = \frac{-9 \pm \sqrt{321}}{-20}$

$\frac{5}{3} = \left(\frac{6}{x}\right)\frac{3}{3}$ $\frac{5}{3}\left(\frac{6}{x}\right) = \frac{3}{3}$

$\frac{-35}{18}$ $\frac{-35}{21} = \frac{18}{21}$

$\frac{-35}{x} / 18 = 1,94$ ✓

88

$6 \times 0,95 = ?$

$\checkmark$ $6 \times 0,95 = 4,$

$+ 0,95 = 5,$

89

$AC = 13,47389$

$\frac{CB}{\sin(43)} = \frac{AC}{\sin(24)}$

$AC = \frac{14\sin(24)}{\sin(29)}$