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and sides in the triangle sin a a sin b b sin c c law of sines problems solution since side a is given we need the measure of a m a 180 m b m c 180 34 80 66° this answer makes sense since a smaller side is opposite a smaller angle answer b 10 aas two angles and the non included side are given free math problem solver answers your trigonometry homework questions with step by step explanations sine problems find missing sides and angles how to find the angles and sides using the sine ratio and how to solve word problems using the sine ratio examples and step by step solutions the sine of an obtuse angle is defined to be the sine of its supplementary acute ssa two sides and the non included angle are given to summarize the ambiguous case what to look for when dealing with ambiguous case when using the law of sines with ssa consider the value of sine 1 sin b 1 and the supplemental angle possibilities click here for answers advanced trigonometry practice questions previous 3d trigonometry practice questions next exact trigonometric values practice questions the corbettmaths practice questions on advanced trigonometry problem 1 sin a displaystyle frac 61 11 1161 displaystyle frac 60 61 6160 displaystyle frac 11 61 6111 displaystyle frac 11 60 6011 problem 2 tan a displaystyle frac 11 61 6111 displaystyle frac 61 11 1161 displaystyle frac 60 11 1160 displaystyle frac 11 60 6011 problem 3 $\cot a 2 2\cos^2 x \cos x 1 0 2\cos^2 x \cos x 1 2 0 2\cos^2 x \cos x 1 0$ switch signs multiply by 1 $2\cos^2 x \cos x$ 1 0 this is the same pattern as $2a^2 chapter$ 17 which of a to 2a 1 a 1 2cos²x / gasx 1 0 factors into hereiser practice problems

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