



Introduction to Trigonometry with Applications

AREA OF TRIANGLES - INTRODUCTION

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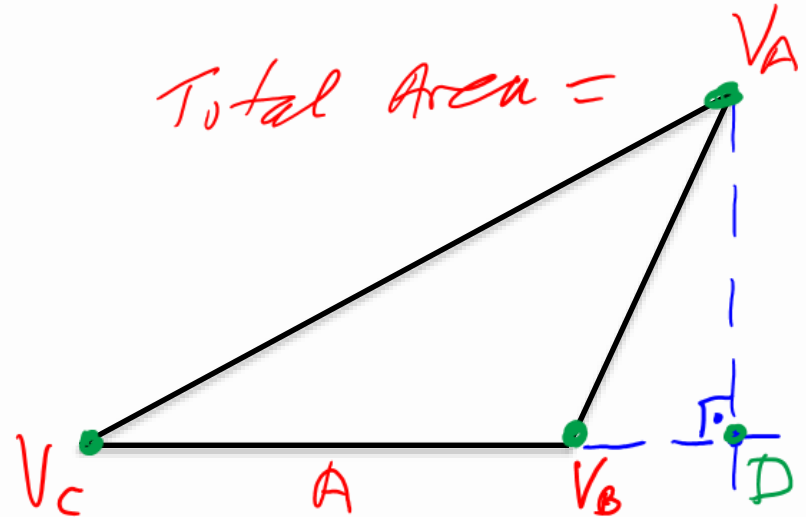
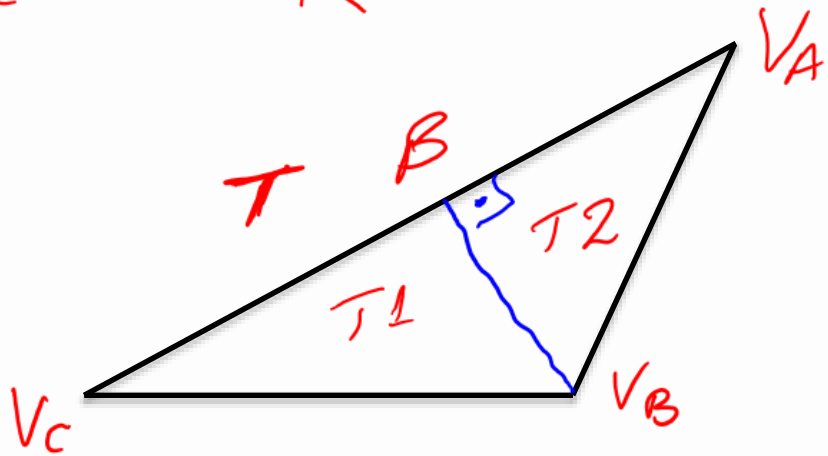
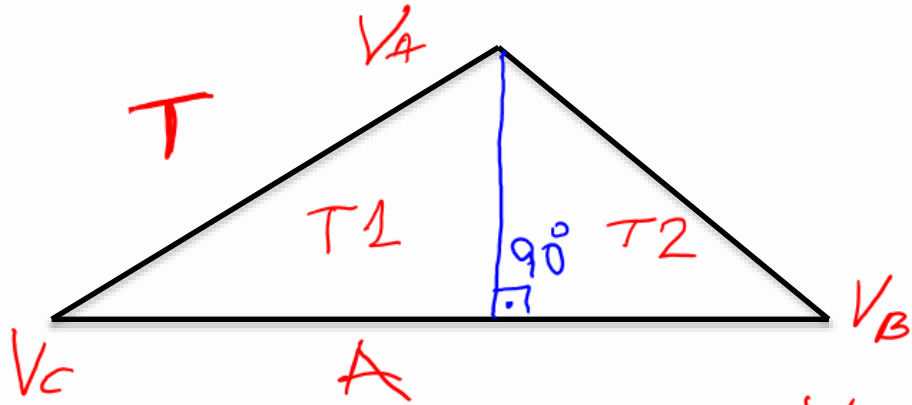
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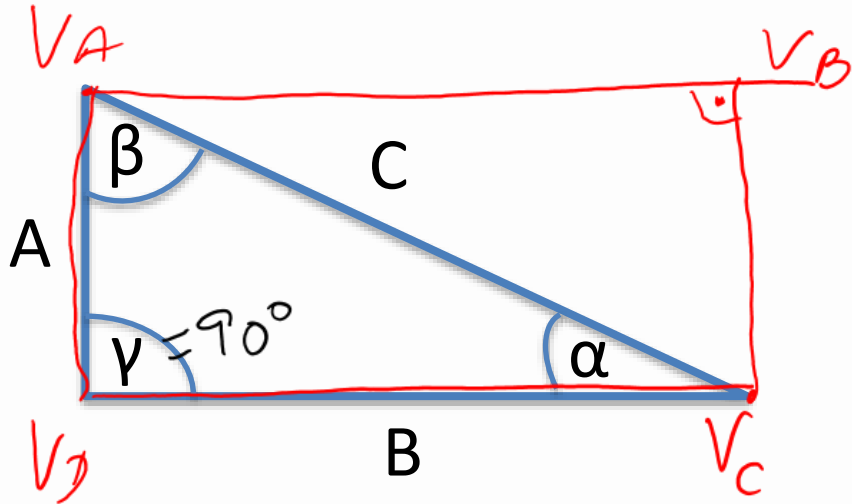
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Area of Arbitrary Triangle





Area of a Triangle



Area of Rectangle

$$A_R = A \times B$$

Area of triangle

$$A_T = \frac{A_R}{2} = \frac{A \times B}{2}$$

$$A_{\text{RIGHT ANGLE TRIANGLE}} = \frac{\text{PRODUCT OF PERPENDICULARS}}{2}$$