



THINGS TO DO WITH A BROKEN STICK

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Abstract. In this article we consider variations of a classical geometric probability question in Euclidean Geometry. Our work is tightly related to the problem of constructing a triangles given three of its elements. In some cases we find exact similar probabilities or if the calculations turn to be cumbersome we include numerical approximations for these probabilities.

1. INTRODUCTION

Corrolary 1.1. *This is a corrolary.*

Definition 1.1. *This is a definition*

Lemma 1.1. *This is a lemma.*

Proposition 1.1. *This is a proposition.*

Remark 1.1. *This is a remark.*

Proof. *This is a proof of the remark.*

Theorem 1.1. *This is a theorem.*

Theorem 1.2. *This is a theorem.*

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2. MAIN RESULT

Lemma 2.1. *This is a lemma.*

Theorem 2.1. *This is a theorem.*

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