

Name: _____ Date: _____ Row: _____ Period: _____

NOTES SECTION 12.3: AN INTRODUCTION TO PROBABILITY

PROBABILITY

THEORETICAL PROBABILITY

EXAMPLE 1

A spinner has 8 equal-size sectors numbered from 1 to 8. Find the probability of

a) spinning a _____

b) spinning a number greater than _____

YOUR TURN

You roll a six-sided die whose sides are numbered from 1 through 6. Find the probability of

a) rolling a _____

b) rolling an _____

c) rolling a number greater than _____

EXAMPLE 2

There are 9 students on the math team. You draw their names one by one to determine the order in which they answer questions at a math meet. What is the probability that ___ of the ___ seniors on the team will be chosen last, in any order?

YOUR TURN

Five cards are drawn from a standard 52-card deck. What is the probability that the first ___ cards are red?

EXPERIMENTAL PROBABILITY**EXAMPLE 3**

a)

b)

EXAMPLE 4

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