11.7 Geometric Probability

Probability: measure of an event’s likelihood of happening

Probability can be represented as a percent, but usually it is represented by a ratio.

Probability as a ratio =

Example: If you randomly pick a card from a deck, what is the probability of picking a red 7?

Geometric Probability:

1. Find the probability of randomly picking a point that is in B.
2. Find the probability of randomly picking a point that is on CD.
3. If a point is chosen randomly on a square, what is the probability that it lies in the shaded region?