



Find the probability that a randomly chosen point in the figure lies in the shaded region.



8.



9.





13. A point X is chosen at random in region U, and U includes region A. What is the probability that X lies in U, but does not lie in A?



14a. A dart is thrown and hits the target shown. If the dart is equally likely to hit any point on the target, what is the probability that it hits inside the inner square?



14b. If the dart is equally likely to hit any point on the target, what is the probability that is hits outside the inner square, but inside the circle?