

Advanced Geometry
Geometric Probability

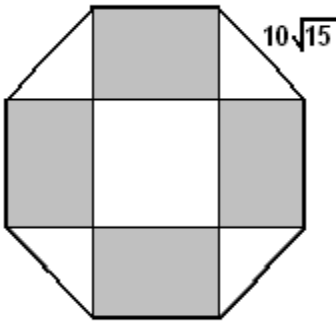
Name: _____

In these problems, we are considering a problem of the extent:

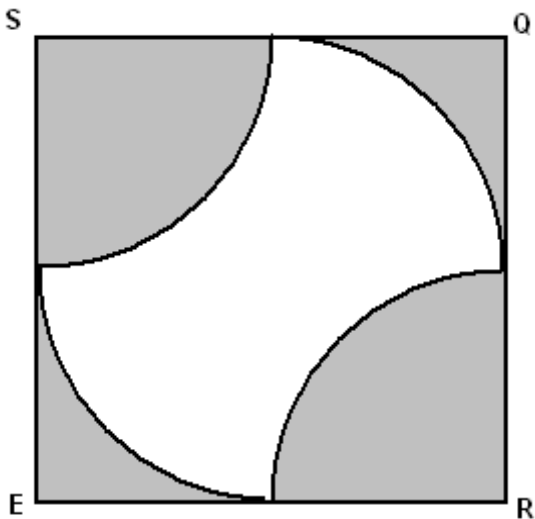
“Find the probability that a point selected from somewhere in the figure lands in a shaded region.”

$$\text{Probability Shaded} = \frac{\text{Shaded Area}}{\text{Total Area}}$$

- 1.) Involving a regular octagon.

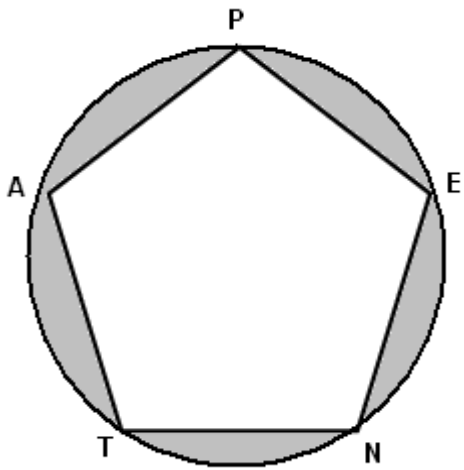


- 2.)



SQRE is a square; SR = 50 cm

3.)



PENTA is a regular pentagon
Area of Circumscribed Circle = 480

4.)

