ACC Geometric Probability Review/Warm-up

Find the area and the probability that a point chosen at random lies in the shaded area. Round to nearest tenth. Not drawn to scale.

1. Use the squares below. 2.

 **22 cm**

What is the area of the white region?

What is the probability of choosing at random a space in the shaded region?

3. 4. ( all units are inches- some wwere cut off on picture)



Find the area and the probability that a point chosen at random lies in the shaded area. Round to nearest tenth. Not drawn to scale.

5.

$\frac{Area of shaded}{Area of Total}=$

6.





7. Red 9. Blue

8. Gold 10. Yellow

Find the area of the shaded region and the probability that a point chosen at random lies in the shaded region, assume all inscribed polygons are regular. **Round to the nearest tenth.**



11. 12.