Activity #4

1. Define the length of line AB
2. AB is the hypotenuse of triangle ABC
3. ABC is an equilateral right triangle
4. Define side AC by dividing AB by $\sqrt{2}$
5. Side BC is equal to side AC
6. Find the area of the square by multiplying AC and BC
7. Define AD by dividing AB by two
8. AD is the radius
9. Find the area of the circle using the formula $A = \pi r^2$
10. Subtract the area of the square from the area of the circle and that's the area