Worksheet

1. What is the purpose of methods?
2. Is there any downside to putting everything in main vs. using methods? Explain your reasoning.
3. Which of the following method names are valid
   1. I\_Ate\_Some\_Pie
   2. I-Ate-Some-Pie
   3. 1AteSomePie
   4. \_IAteSomePie
   5. void
   6. publicStaticVoidMain
   7. publicStaticVoidMain23
   8. 23publicStaticVoidMain
   9. String
4. Expressions:
   1. 4 + 5 % 3 \* 4 -5
   2. 4 \* (2 + 4) – 3 \* 5
   3. 54 % 10 + 8 \* 3 % 9
   4. 3 \* 2 + 4 + “+” + 2 + 3 \* 4
   5. 2.3 \* 3 + 19 / 5 / 2 + 6.0 / 5
5. Write a program that prints out “Welcome to SI!” 27 times. Make sure you use methods to make your code less redundant: i.e do not print out “Welcome to SI” with 27 println statements.
6. Write a function that calculates the area of a circle. Print out that value. Use a variable for values that could possibly change. (Area = pi\*r^2)