Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## FizzBuzz Worksheet

1. Draw the translation from the English to the code.

***// Input the number 1 into FizzBuzz to get the current result***

String result = FizzBuzz.*convert*(1);

1. Draw the translation from the English to the code.

***// Verify that the result is equal to the string 1***

Assert.areEqual(**“1”, result**);

1. Each Test has a // DO and a // VERIFY – circle and label each line

***// Input the number 1 into FizzBuzz to get the current result***

***// Verify that the result is equal to the string 1***

1. Do the following for the code below:

|  |  |
| --- | --- |
| **public** **class** FizzBuzzTest  {  @Test  **public** **void** **test1Returns1**()  {  String **result** = FizzBuzz.*convert*(1);  *assertEquals*("1", result);  }  @Test  **public** **void** **test2Returns2**()  {  String **result** = FizzBuzz.*convert*(2);  *assertEquals*("2", result);  }  @Test  **public** **void** **test3ReturnsFizz**()  {  String **result** = FizzBuzz.*convert*(3);  *assertEquals*("Fizz", result);  }  AND  **public** **class** FizzBuzz  {  **public** **static** String **convert**(**int** **i**)  {  **if** (0 == i % 15) { **return** "FizzBuzz"; }  **if** (0 == i % 5) { **return** "Buzz"; }  **if** (0 == i % 3) { **return** "Fizz"; }  **return** "" + i;  }  } | 1. What is the purpose of @Test? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. What type is result and why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   1. Circle the expected result value for each test 2. Why are the quotes part of “”+ i  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. Circle all of the places that FizzBuzz.convert() can exit from. |