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

## HiLow Worksheet

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

***// Ask the user for a guess***

**int** guess = MessageBox.*askForNumericalInput*(“What is your guess?”);

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

***// If the guess is correct.***

**if** (guess == answer)

{

}

3. What are the possible values allowed for the condition of an if statement?  
  
**if** (condition)

{

***// code…***

}

1. Do the following for the code below:

|  |  |
| --- | --- |
| **public** **class** HiLow  {  **public** **static** **void** main(String[] *args*)  {  **int** *answer* = NumberUtils.*getRandomInt*(1, 100);  **for** (**int** *i* = 1; *i* <= 8; *i*++)  {  **int** *guess* = MessageBox.*askForNumericalInput*("Can you guess the random number between 1 and 100?");  **if** (*guess* == *answer*)  {  MessageBox.*showMessage*("You won!");  System.*exit*(0);  }  **else** **if** (*guess* > *answer*)  {  MessageBox.*showMessage*("Try a lower number.");  }  **else** **if** (*guess* < *answer*)  {  MessageBox.*showMessage*("Try a higher number.");  }  }  MessageBox.*showMessage*("You lost!");  }  } | 1. Circle the if evaluations put a ‘?’ by them 2. Circle the brackets that close the 1st if statement. 3. Circle all the exit points of the method and put a ‘X’ by them. 4. Circle the line of code that translates “and exit”    1. What is being exited? \_\_\_\_\_\_\_\_\_\_\_\_\_ |