Lesson 3: Math Functions & Constants Reading Questions

1. Math.pow(y, 3) is an example of code that can be used in Java.

   a. Math is a c_____ because of its capital letter, and it contains the m_____ called pow which has two

   a_____ or parameters which are y and 3.

   b. Math.pow(y, 3) is the same as writing what in a mathematics class?

2. The reading described accumulation statements and two ways to write them. What is the alternative way to

   write x = x+3?

3. What is incrementing and how can it be written?

4. What is decrementing and how can it be written?

5. The term "final" is used to declare constants.

   a. What is an example of a constant?

   b. Write a line of code used to declare a constant WORKHOURS and initialize it with the value 8. (Be sure

      to use an appropriate data type).

   c. Why is it an advantage to use the term "final"?

Lesson 4: Defining and Using Classes Reading Questions
1. <B 8> Consider the following methods and fill in the charts with the text in each method that corresponds
   to each component listed.

```
public static void main (String [] args)
{
    System.out.println("Hiya");
}
```

Access Specifier	
Return Type	
Method Name	
Parameters	
Method Body (between {})	

```
public double doMath (int a, double x)
{
    double answer = a*x;
    return answer;
}
```

Access Specifier	
Return Type	
Method Name	
Parameters	
Method Body (between {})	

2. <E 3> A constructor is a special method that usually has the same name as its class and is invoked with the
three-letter keyword n____.