

APCS-A Exposure Java	Exercises 7.1	Date:
Name:		Period:

1. Class methods are normally what?
2. How must the methods of the *Math* class be accessed?
3. In the statement `int num;` *int* is the _____ and *num* is the _____.
4. In the statement `Bank tom;` *Bank* is the _____ and *tom* is the _____.
5. List 4 simple data types.
6. What do simple data types store?
7. What 2 things do class data types store?
8. What are the 2 categories of methods?
9. What kind of values do void methods return?
10. It is not possible to create large, reliable programs without being very conscious of _____.
11. List the 3 trigonometric methods of the *Math* class.
12. If you are calling a *class* method, when is using the *class identifier* optional?
13. If you are calling a *class* method, when is using the *class identifier* required?
14. What word do you NOT use when declaring a 2nd or 3rd class in a program?
15. Why does program *Java0705.java* not compile?
16. If you are in the *main* method, and you want to call a *hiss* method from a *Boo* class, what would be the exact syntax?
17. What **Applet** method controls the graphics display of an Applet in the same manner that the **main** method controls the sequence in an application program?

18. Output to the monitor requires the use of a _____ object.
19. If you select to divide the graphics output into multiple modules you need to make sure that you do what?
20. Common methods should be placed in a _____.
21. Compare the **paint** methods of *Java0708.java* and *Java0709.java*.
In the latter program, why are all of the method calls preceded with "House."?
22. Refer to the previous question. Why was this not necessary in the former program?
23. List 2 methods that do NOT require any parameters?
24. The key difference between creating no-parameter methods and parameter methods is the _____.
25. All method declarations have an identifier followed by _____.
26. What is the difference between an *actual parameter* and a *formal parameter*?
27. An actual parameter can be several different things. List 5 examples.
28. Look at program *Java0714.java*. What is wrong with *Line 1*?
29. Look at program *Java0714.java*. What is wrong with *Line 2*?
30. If a method has several parameters, do they all need to be of the same type?
31. The number of parameters in the method call must match what?
32. The corresponding actual parameters in the method call must be the same _____ as the formal parameters in the heading.
33. The _____ of the _____ in the _____ must match the sequence of the formal parameters in the heading.
34. Can the actual parameter identifiers be the same as the formal parameter identifiers?
35. Can the actual parameter identifiers be the different from as the formal parameter identifiers?