AP CSP Unit 3 Test Review

Name:		
Name:		

1.	D(efine the following words: Programming language –
	•	Algorithm –
	•	Abstraction –
	•	Function –
	•	API –
	•	Documentation –
	•	Library –
	•	Parameter –
	•	For Loop –

• Loop -

2. How is a programming language similar and different than a real human language?
3. What does it mean for a program to be written efficiently?
4. Why do you write functions? How is using functions in your code and example of abstraction?
5. Explain what Top-Down Design is.
6. What is the purpose of an API? When might you use an API?
7. Give an example of a function with a parameter.
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8. Looping: What does the following code do?

```
for (var i = 0; i < 10; i++) {
    penUp();
    moveTo(randomNumber(0, 320), randomNumber(0, 450));
    penDown();
    dot(v8);
}</pre>
```

9. I would recommend practicing with code. Study by logging into Code Studio and try writing functions and loops!