# Chapter 4 Homework

1. What is the difference between a syntax error and a logic error?
2. What is displayed after the following Java statements are executed?

int a = 5;

int b = 10 \* a++;

int c = b \* ++a;

System.out.printf("c = %d%n", c);

1. What is the difference between a counter-controlled iteration and sentinel-controlled Iteration?
2. What is a block of code?
3. When should you use pseudocode?