Answers to Review Questions
Chapter 2

1. 1, 2, 3
2. float temp, weight, age;
3. int months = 2, days, years = 3;
4. A) b = a + 2;
   B) a = b * 4;
   C) b = a / 3.14;
   D) a = b - 8;
   E) a = 27;
   F) c = 'K';
   G) c = 66;
5. C style
6. C++ style
7. #include <iostream>
   int main()
   {
      cout << "Two mandolins like creatures in the\n   \n   \n   Creating the agony of ecstasy.\n   \n   - George Barker\n   \n   return 0;
   }
8. A) 0
   100
   B) 8
   2
   C) I am the incredible computing
      machine
      and I will
      amaze
      you.
   D) Be careful
      This might\n      be a trick question
   E) 23
   1
9. C
10. C
11. B
12. A
13. B
14. A
15. B, C
16. B, C, D
17. A) 12 B) 4 C) 2 D) 6 E) 1
18. A) 3.287E6  B) -978.65E12  C) 7.65491E-3  D) -58710.23E-4
19. A
20. A
21. true
22. false
23. true
24. true

25. int speed, time, distance;
speed = 20;
time = 10;
distance = speed * time;
cout << distance << endl;

26. double force, area, pressure;
force = 172.5;
area = 27.5;
pressure = force / area;
cout << pressure << endl;

27. The C-style comments symbols are backwards.
   iosstream should be enclosed in angle brackets.
   There shouldn't be a semicolon after int main.
   The opening and closing braces of function main are reversed.
   There should be a semicolon after int a, b, c.
   The comment \ Three integers should read // Three integers.
   There should be a semicolon at the end of the following lines:
   a = 3
   b = 4
   c = a + b
   cout begins with a capital letter.
   The stream insertion operator (that appears twice in the cout statement) should read << instead of <.
   The cout statement uses the variable C instead of c.