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```

1  #include <stdio.h>
2  #include "libgeom.h"
3
4  int main(){
5      float a, b, c;
6      a = 1.2;
7      b = 3.4;
8      c = 5.6;
9      printf("\nA triangle with sides %2.1f, %2.1f, %2.1f has ", a, b, c);
10     printf("an area of %3.2f ", calcAreaTriangle(a, b, c));
11     printf("and a perimeter of %3.2f.\n", calcPerimeterTriangle(a, b, c));
12     printf("\nA rectangle with sides %2.1f, %2.1f has ", a, b);
13     printf("an area of %3.2f ", calcAreaRectangle(a, b));
14     printf("and a perimeter of %3.2f.\n", calcPerimeterRectangle(a, b));
15     printf("\nA circle with radius %2.1f has ", a);
16     printf("an area of %3.2f ", calcAreaCircle(a));
17     printf("and a circumference of %3.2f.\n", calcPerimeterCircle(a));
18 }
19

```