Names: _____

Heron's formula for computing the area of a triangle with three known side lengths works as follows. If we let intermediate variable $s = \frac{a+b+c}{2}$ for a triangle with side lengths a, b, and c, then the area of the triangle is

$$\sqrt{s(s-a)(s-b)(s-c)}.$$

Write a program that prompts the user for the three side lengths and which reports the area of the triangle. The script should be modeled on the following sample session:

```
First side? 40
Second side? 13
Third side? 37
Triangle has area 240.0.
```