Exercise 1-2: The Pythagorean Theorem

1. Get the length of side 1 and store in a
2. Get the length of side 2 and store in b
3. Calculate the hypotenuse using the formula c=sqrt(a2 + b2)
4. Display the value stored in c

Exercise 1-4: Decision-Based Algorithm

1. The cell company’s plan is 450 minutes for $35 per month
2. There is an additional charge of 0.40 per minute over 450
3. User inputs number of minutes spent on phone for the month
4. If the user did not go over 450 minutes the total is $35
5. Otherwise, calculate charge per month by using the formula: total of $35 + ((user’s number of minutes – 450) \*0.40)