

**Understanding Variables and the Math Object**

Create a program that includes the following seven lines at the top:

```

* dasf.py - C:/Python27/dasf.py (2.7.11)*
File Edit Format Run Options Window Help
a = 10
b = 5
c = 3
d = -2
e = 4.5
f = 2.5

print a+b
    
```

When you run the program the number “15” will be outputted to the screen.

Change the equation to a-b. Guess the output in the table below and then write down the actual output. Do this for all of the statements - guess first then alter the code and run the program.

Statement	Your Guessed Output	Actual Output
print a + b	15	15
print a - b		
print a * b		
print a / b		
print a / c		
print a // c		
print c / d		
print float(c) / float (d)		
print int(e) / int (f)		

<code>print float(e) / float(f)</code>		
<code>print a % b</code>		
<code>print a % c</code>		
<code>print a % d</code>		
<code>print b % c</code>		
<code>print (a*b) % c</code>		
<code>print (a-b+c) % c</code>		
<code>print (3*b-a) % c</code>		
<code>print math.sqrt(5 * b)</code>		
<code>print math.pow(b,2)</code>		
<code>print b**3</code>		
<code>print math.pow(d,c)</code>		
<code>print d**c</code>		
<code>print d - c + f / 2.5</code>		
<code>print (8 * d - 2 * e) // 3</code>		
<code>print (4 * b - 12) / (e * f)</code>		