Data Science with Python
Ticket Out the Door
Set 2: Operations

Name _____ Period _____

Skill 2.2 Exercise 1		
Indicate the output and the datatype.		
Code	**Output**	**Datatype**
`print(6 / 4)`		
`print(6. / 4)`		
`print(6 // 8)`		
`print(6 // 8.)`		
`print(5 / 2.)`		
`print(5 // 2.)`		
`print(10 // -3.)`		
`print(10 / -3.)`		

Skill 2.2 Exercise 2	
Indicate the output	
Code	**Output**
`print(19 % 2)`	
`print(9 % 2)`	
`print(4 % 2)`	
`print(2 % 2)`	
`print(1 % 2)`	
`print(10 % 4)`	
`print(21 % 4.5)`	

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Skill 2.2 Exercise 3	
Indicate the output. If an error occurs, indicate why.	
Code	**Output**
`print(2. * 12)`	
`print(2 - 12)`	
`print(7 / 0)`	
`print(11 // 100.)`	
`print(11 /3)`	
`print(-10 + 11)`	
`print(7 % -2)`	

Skill 2.3 Exercise 1	
If the exponentiation operator uses right-sided binding, what is the output for each of the following?	
Code	**Output**
`print(-3 ** 2)`	
`print(-2 ** 3)`	
`print(-(3 ** 2))`	

Skill 2.3 Exercise 2	
For each of the following, indicate the output. If an error occurs, indicate the error and why.	
Code	**Output**
`print(-12 // 2 - 2 ** 3 / 3 % 0)`	
`print(-12 // 2 - 2 ** 2 % 2 * 0)`	
`print(5 - 3 ** 2 + 3//2 % 2)`	
`print(2 + 6 / 3 // 2 + 2 ** 2)`	