ASSIGNMENT #1 BINUS MAYA

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PART 1

1. C
2. A,C
3. A,C,D,G
4. C
5. TRUE
6. FALSE
7. C
8. B
9. B
10. 0.0
11. 0.5
12. 3
13. 7
14. 7
15. 2.0
16. 8.0
17. B = 2, C = 2.0, D = 1, E = 1.0, F = 2.5, G = 1.5
18. B
19. A
20. D
21. B
22. FALSE
23. TRUE
24. FALSE
25. TRUE
26. FALSE
27. FALSE
28. X = 3, Y = 1
29. D
30. A
31. B

PART 2

```
#1
degrees = 150
print ('Degrees:', degrees)
radians = degrees / 180 * 3.14
print ('Radians:', radians)

#2
student1 = 80
```

```python
student2 = 90
student3 = 66.5
print (student1)
print (student2)
print (student3)
averagescore = (student2+student3+student1) / 3
print (averagescore)

#3
firstclass = 32
secondclass = 45
thirdclass = 51
firstclassgroups = 5
secondclassgroups  = 7
thirdclassgroups = 6
firstclassgroupmembers = firstclass//firstclassgroups
secondclassgroupmembers = secondclass//secondclassgroups
thirdclassgroupmembers = thirdclass//thirdclassgroups
firstclassleftovers = firstclass%firstclassgroups
secondclassleftovers = secondclass%secondclassgroups
thirdclassleftovers = thirdclass%thirdclassgroups
print (firstclassgroupmembers)
print (secondclassgroupmembers)
print (thirdclassgroupmembers)
print (firstclassleftovers)
print (secondclassleftovers)
print (thirdclassleftovers)

#4
pi = 3.14
piediameter = 55.4
pie_radius = piediameter / 2
print (pie_radius)
circumference = 2 * pi * pie_radius
circumferencemsg = "Jimmy's pie has a circumference:"
print(circumferencemsg, circumference)

#5
v = 343
f = 256
print ('The speed (m/s):', v)
print ('The frequency (Hz):', f)
Wavelength = v/f
print ('The wavelength (m):', Wavelength)
```