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>>> #exercicio 3
>>> import math
>>> rad84=math.radians(84)
>>> math.sin(rad84)
0.9945218953682733
>>> math.cos(rad84)
0.10452846326765346
>>> tg=math.tan(rad84)
>>> tg
9.514364454222587
>>> 1/tg
0.10510423526567644
>>> ch=math.cosh(rad84)
>>> ch
2.2815170064108568
>>> math.degrees(math.acosh(ch))
83.99999999999999
>>> ang1=math.radians(84)
>>> ang2=math.radians(29)
>>> s1=math.sin(ang1)
>>> s2=math.sin(ang2)
>>> c1=math.cos(ang1)
>>> c2=math.cos(ang2)
>>> s1*c2+c1*s2
0.9205048534524403
>>> c1*c2-s1*s2
-0.39073112848927377

>>> #exercicio 6
>>> import math
>>> senoB=4/9
>>> senoB
0.4444444444444444
>>> cosB=(1-senoB**2)**0.5
>>> cosB
0.8958064164776166
>>> math.degrees(math.asin(senoB))
26.387799961242997

>>> #exercicio 12
>>> import math
>>> math.factorial(10)/math.factorial(10-6)
151200.0

>>> #exercicio 14
>>> import math
>>> math.factorial(8)/math.factorial(8-3)
336.0

>>> #Solu000o alternativa
>>> from math import factorial
>>> factorial(8)/factorial(8-3)
336.0

>>> #exercicio 16
>>> #combina00es ComGustavoSemDanilo(C6,3) + SemGustavoComDanilo(C6,3) + SemGustavoSemDanilo(C6,4)
>>> import math
>>> ComUmSemOutro=math.factorial(6)/(math.factorial(3)*math.factorial(6-3))
>>> SemUmSemOutro=math.factorial(6)/(math.factorial(4)*math.factorial(6-4))
>>> 2*ComUmSemOutro+SemUmSemOutro
55.0
```

