In [1]:

```
# polar cordinates
```

In [ ]:

```
import cmath;

num = complex(input())
z = complex(num)

print(cmath.polar(z)[0])
print(cmath.polar(z)[1])
```

In [2]:

```
# find angle mbc
```

In [ ]:

```
import math
ab=int(input())
bc=int(input())
ca=math.hypot(ab,bc)
mc=ca/2
bca=math.asin(1*ab/ca)
bm=math.sqrt((bc**2+mc**2)-(2*bc*mc*math.cos(bca)))
mbc=math.asin(math.sin(bca)*mc/bm)
print(int(round(math.degrees(mbc),0)),'\u00B0',sep='')
```

In [3]:

```
# Triangle Quest2
```

In [ ]:

```
for i in range(1, int(input()) + 1):
    print((10 ** i - 1) ** 2 // 81)
```

In [4]:

```
#Mod Divmode
```

In [ ]:

```
p= divmod(int(input()), int(input()))
print(*p, p, sep='\n')
```

In [5]:

```
# power mod-power
```

In [ ]:

```
import math
a = int(input())
b = int(input())
m = int(input())
c = math.pow(a, b)
d = c%m
print(int(c))
print(int(d))
```

In [6]:

```
# Integers come in all sizes
```

In [ ]:

```
A = int(input())
B = int(input())
C = int(input())
D = int(input())

print((A**B)+(C**D))
```

In [7]:

```
# Traingle Quest
```

In [ ]:

```
for i in range(1,int(input())): #More than 2 lines will result in 0 score. Do not leave a
    print(((10**i)//9)*i)
```