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%%----- QUESTION 5

## converting complex number to cartesian form

```
r=1
th=90
[x,y]=pol2cart(th,r)
```

```
r1=2
th=0
[x,y]=pol2cart(th,r1)
```

```
r2=2
th=30
[x,y]=pol2cart(th,r2)
```

$r =$

$1$

$th =$

$90$

$x =$

$-0.4481$

$y =$

$0.8940$

$r1 =$

$2$

$th =$

$0$

$x =$

$2$

---

$y =$

0

$r2 =$

2

$th =$

30

$x =$

0.3085

$y =$

-1.9761

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