GeoGebra Tutorial: Polar Coordinate Quiz

- 1. Change the grid to "Polar" with distance r = 1 and $\theta = \pi/12$. Use solid and bold grid lines. Hide y-axis and show positive x-axis.
- 2. Input: **r=RandomBetween[1,8]**
- 3. Input: listAngle=Sequence[15°*i,i,0,23]

(Hint: press Alt-o for °)

- 4. Input: theta=RandomElement[listAngle]
- 5. Input: **P=(r;theta)**
- 6. Input: **Ans=(0;0°)**
- 7. Input: correct=Ans==P
- 8. Select the input box tool a=1. Create an input box

with caption "P =" and choose "answer" as the linked object.

9. Select the text tool **ABC**. Create a text "Correct!"

and set "Condition To Show Object" "correct".

10. Create a button OK with caption "Next Point".

Type the following on-click scripts: SetValue[Ans,(0;0°)] UpdateConstruction[]



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Basic xAxis yAxis Grid	Basic xAxis yAxis Grid
☑ Show Grid	Show xAxis
Grid Type	Show Numbers
Polar 🗸	
☑ Distance:	Positive Direction Only
r: 1 🗸 θ: π/12 🗸	☑ Distance: 1
Line Style	Ticks: 🗸
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🗘 Input Box	X	
Caption: P =		
Linked Object:		
Ans = (0; 0°)	·	
Apply Cancel		
Preferences - task13_polar.	<i>εε</i> Þ X	
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