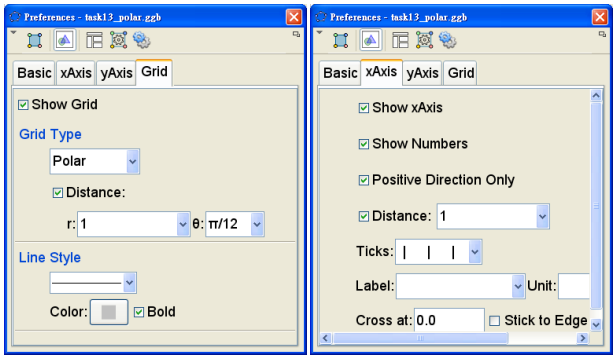
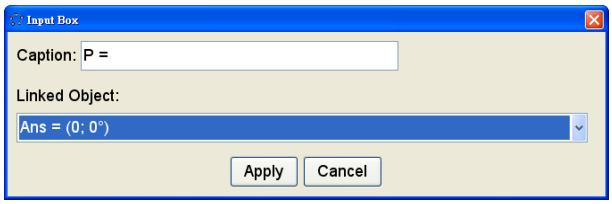
GeoGebra Tutorial: **Polar Coordinate Quiz**

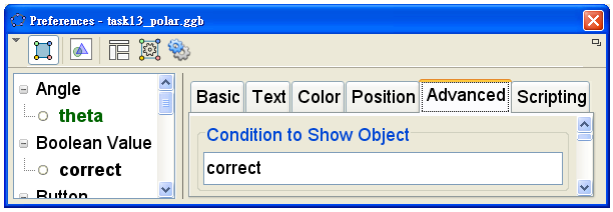
1. Change the grid to "Polar" with distance $r = 1$ and $\theta = \pi / 12$. Use solid and bold grid lines. Hide y-axis and show positive x-axis.



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[]
```