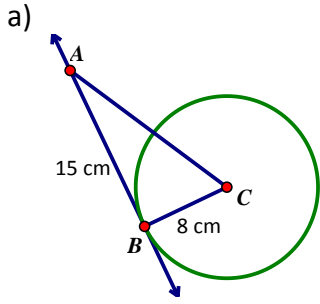
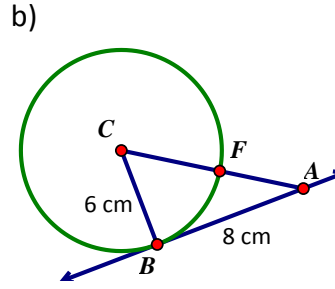


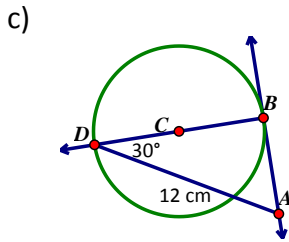
1. Solve for the missing information, given the  $\overline{AB}$  is a tangent line to circle C.



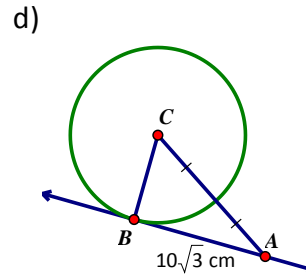
AC = \_\_\_\_\_



FA = \_\_\_\_\_

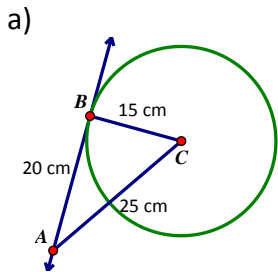


CB = \_\_\_\_\_ (E)

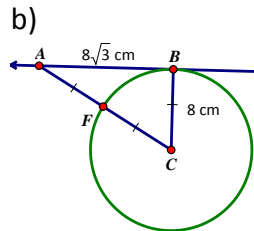


CB = \_\_\_\_\_ (E)

2. Determine if the  $\overline{AB}$  is a tangent line or not.

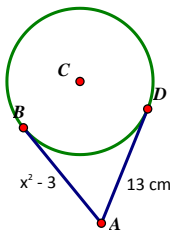


Yes or No



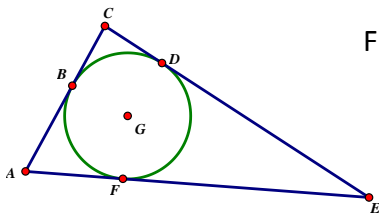
Yes or No

3. Solve for  $x$  ( $\overline{AB}$  and  $\overline{AD}$  are tangent lines)



4. Solve for the missing information (Lines that appear to be tangent are tangent.)

$AC = 18$  cm,  $CE = 30$  cm &  $AF = 10$  cm



$FE =$  \_\_\_\_\_

5. Given that  $\overleftrightarrow{AB}$  is tangent to circle C and  $EA = 10$  cm and  $AB = 12$  cm, determine  $CB$ . (Hint: Label the two radii with  $x$ )

