

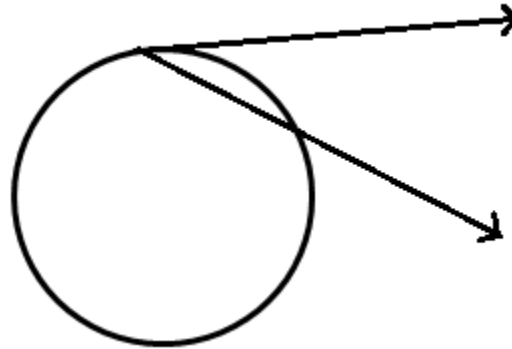
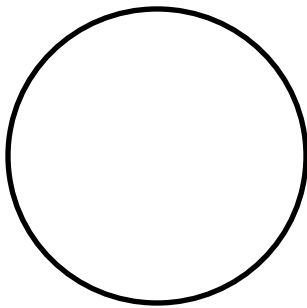


- I can find the measures of angles "ON" a circle

Please watch the following video and copy down the examples to help you with the practice problems below! <https://youtu.be/PDvvjnyJkbM>

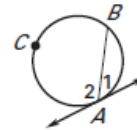
Example 1: (Inscribed Angle Example)

Example 2: (Vertex "ON" the Circle Example)



THEOREM 10.11

If a tangent and a chord intersect at a point on a circle, then the measure of each angle formed is one half the measure of its intercepted arc.

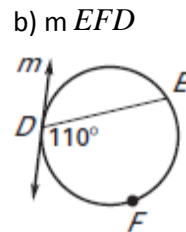
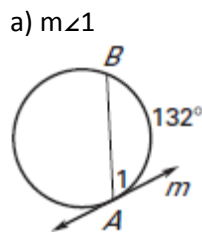


$$m\angle 1 = \frac{1}{2} \underline{\hspace{2cm}}$$

$$m\angle 2 = \frac{1}{2} \underline{\hspace{2cm}}$$

Try These!

In these examples, line m is tangent to the circle. Find the indicated measure.



Try These Answers: a) 66 b) 220



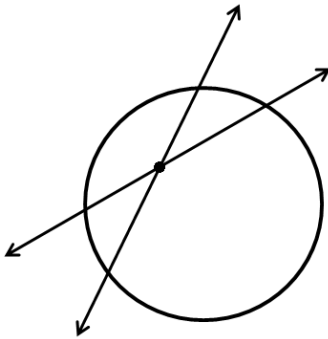
- I can find the measures of angles “IN” a circle

Please watch the following video and copy down the examples to help you with the practice problems below! <https://youtu.be/bgXFSa-6QtE>

Follow along with the first part of the video and write down the theorem that Mr. Miller explains :

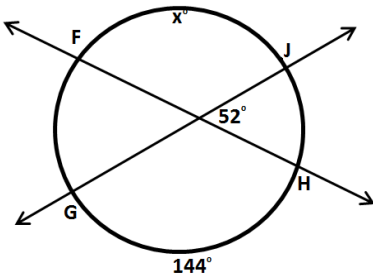
$$m\angle BAC = \underline{\hspace{2cm}}$$

Example 1: At 4:05 in the video, please write down the example that Mr. Miller works through.



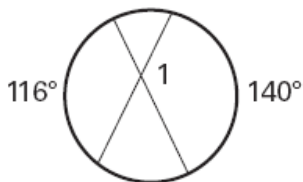
Example 2: Please watch this video and write down the example Mr. Miller works through.

<https://youtu.be/jdNJrcnKs1g>

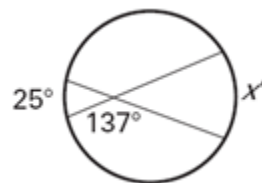


Try These!

c) Solve for $m\angle 1$



d) Solve for x.



Try These Answers: c) 128 d) 61