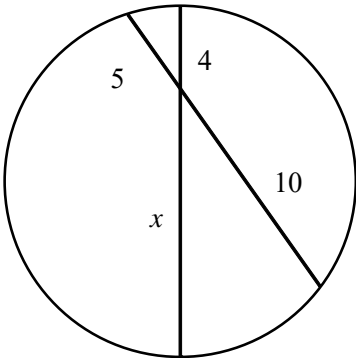
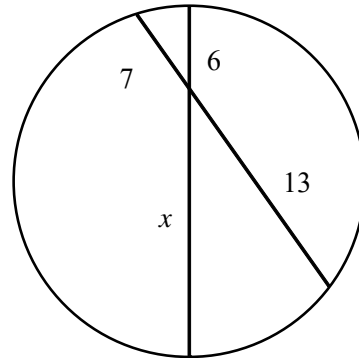


NAME: \_\_\_\_\_

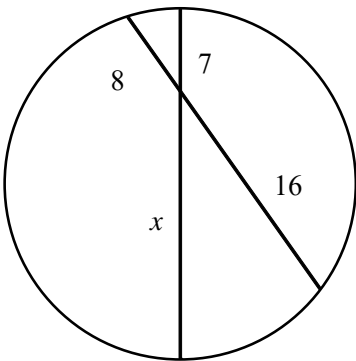
1. Find the value of  $x$ .



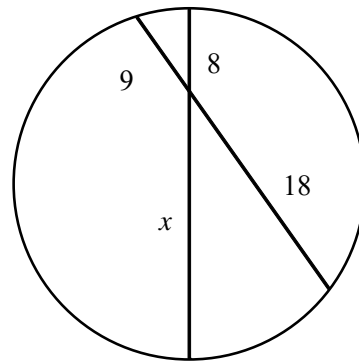
4. Find the value of  $x$ .



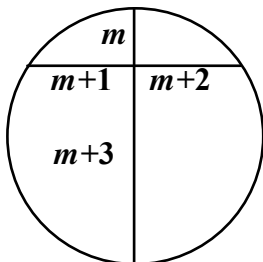
2. Find the value of  $x$ .



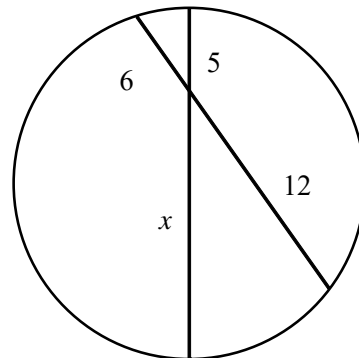
5. Find the value of  $x$ .



3. Show that it is not possible for the lengths of the segments of the two intersecting chords to be four consecutive integers.



6. Find the value of  $x$ .



[1]  $12\frac{1}{2}$   
\_\_\_\_\_

[2]  $18\frac{2}{7}$   
\_\_\_\_\_

If  $m$  is the length of a part of one segment, the other part will have to be  $m + 3$ . Then  $m(m + 3) = (m + 1)(m + 2)$ , or  $0 = 2$ , which is

[3] false.  
\_\_\_\_\_

[4]  $15\frac{1}{6}$   
\_\_\_\_\_

[5]  $20\frac{1}{4}$   
\_\_\_\_\_

[6]  $14\frac{2}{5}$   
\_\_\_\_\_