

## Annulus Area Problem

A gardener needs to find the area of a circular garden bed surrounding a small circular garden pool.

The gardener measures the straight line distance,  $x$ , from point  $A$  to point  $B$  when  $AB$  touches the pool at point  $C$ .

Find out how the gardener can use the value of  $x$  to find the area of the circular garden bed surrounding the garden pool.

