Mr. Baroody's Web Page



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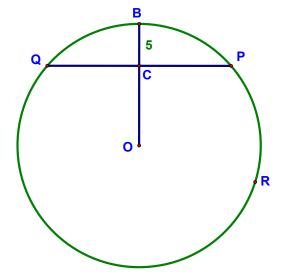
Congruent Chords - Lesson 10-2

Here's the warmup:

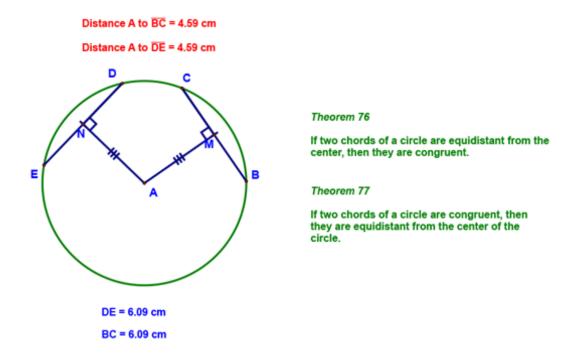
Given: ⊙O

BO \(\pi\) PQ BC = 5 PQ = 30

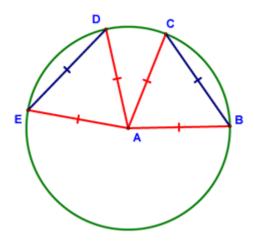
Find: The radius of ⊙O



Today, we're going to discuss a couple of theorems related to congruent chords:



The proof for these theorems should be fairly straight forward given the following hint. You should see if you can do this!!



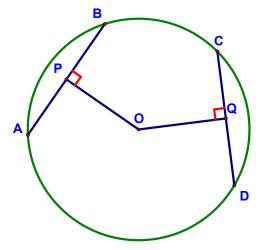
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Here's an example problem using one of these theorems:

Given:

 $\frac{\odot O}{AB} \cong \overline{CD}$ OP = 12x - 5 OQ = 4x + 19

Find: OP



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