**Warm Up for CP Geometry**

$ \rightarrow $

The ray AC is an angle bisector.



1. 10x + x + 36 = 180
2. 10x = x + 36 +180
3. 180 - 10x = x + 36
4. 10x = x + 36
5. 10x - x + 36 = 90

Which is the correct way to solve for x? Use the correct vocabulary and prior knowledge about angle relationships.

Choice \_\_\_\_\_ because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Word Bank:**

bisects supplementary complementary vertical

linear pair equal congruent adjacent nonadjacent