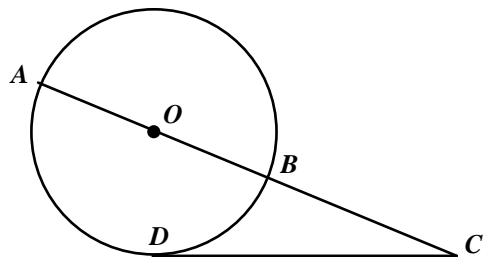


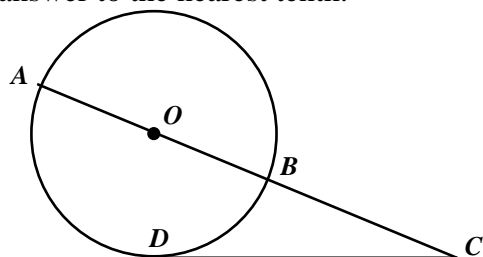
G.G.53: Investigate, justify, and apply theorems regarding segments intersected by a circle: along two tangents from the same external point; along two secants from the same external point; along a tangent and a secant from the same external point; along two intersecting chords of a given circle

1. Find the diameter of the circle (not drawn to scale). $BC = 18$, and $DC = 21$. Round your answer to the nearest tenth.



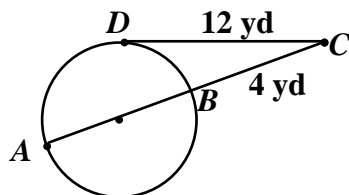
[A] 6.5 [B] 9.2 [C] 5.6 [D] 42.5

2. Find the diameter of the circle (not drawn to scale). $BC = 12$, and $DC = 20$. Round your answer to the nearest tenth.



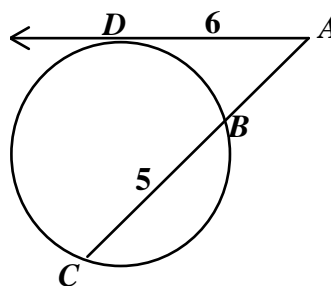
[A] 12.8 [B] 18.6 [C] 21.3 [D] 45.3

3. To find the radius of a circular pond, Maria measured \overline{CD} and \overline{BC} . If \overline{CD} is a tangent, find the radius of the pond.



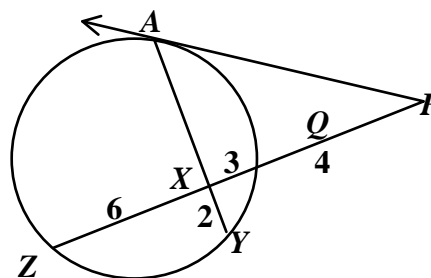
NAME: _____

4. Determine AB .



[A] 4 or 9 [B] 1 [C] 4
[D] 1 or 6 [E] none of these

5. Compare the quantity in Column A with the quantity in Column B.



Column A Column B

AP AX

- [A] The quantity in Column A is greater.
[B] The quantity in Column B is greater.
[C] The two quantities are equal.
[D] The relationship cannot be determined on the basis of the information supplied.

Geometry Practice: G.G.53 #2

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[1] A

[2] C

[3] 16 yd

[4] C

[5] B