1. $\overline{K J}$ is tangent to $\odot M$ at $J$ (not drawn to scale). Find the length of the radius $r$, to the nearest tenth.

[A] 18.9
[B] 9.4
[C] 10.8
[D] 19.7
2. Find $m \angle A$.

[A] 47
[B] 28
[C] 62
[D] 90
[E] none of the above
3. $\overline{A B}$ is tangent to $\odot O$ at $A$ (not drawn to scale). Find the length of the radius $r$, to the nearest tenth.

4. $\overline{A B}$ is tangent to $\odot O$ at $A$ (not drawn to scale). Find the length of the radius $r$, to the nearest tenth.

5. Circle $D$ has radius 3 with tangents $\overleftrightarrow{P C}$ and $\overleftrightarrow{Q A} . m \overparen{P B}=120$. Find $A P$.

6. In order to find the distance across a circular pond, Tim sights a tangent to the circle and a line from the same point to the circle's center. If the length of the tangent segment is 15 yd and the distance to the edge of the circle from the point is 3 yd , what is the diameter of the pond?
[1] $B$
[2] B
[3] 9.2
[4] 11.9
[5] $4 \sqrt{3}$
[6] 72 yd
