1. \( AD \) is tangent to both circles in the figure (not drawn to scale). If \( BA = 9 \), \( AD = 23 \), and \( CD = 17 \), find the length of \( BC \) to the nearest tenth.

\[ \text{[A] 32.5} \quad \text{[B] 18.8} \quad \text{[C] 24.7} \quad \text{[D] 24.4} \]

2. \( AD \) is tangent to both circles in the figure (not drawn to scale). If \( BA = 7 \), \( AD = 25 \), and \( CD = 13 \), find the length of \( BC \) to the nearest tenth.

\[ \text{[A] 14.3} \quad \text{[B] 26} \quad \text{[C] 35.4} \quad \text{[D] 25.7} \]

3. \( BC \) is tangent to \( OA \) at \( B \) and to \( OD \) at \( C \) (not drawn to scale). If \( AB = 12 \), \( BC = 18 \), and \( DC = 3 \), find the length of \( AD \), to the nearest tenth.

4. \( BC \) is tangent to \( OA \) at \( B \) and to \( OD \) at \( C \) (not drawn to scale). If \( AB = 10 \), \( BC = 16 \), and \( DC = 4 \), find the length of \( AD \), to the nearest tenth.

5. \( BC \) is tangent to \( OA \) at \( B \) and to \( OD \) at \( C \) (not drawn to scale). If \( AB = 9 \), \( BC = 19 \), and \( DC = 3 \), find the length of \( AD \), to the nearest tenth.
[1] D____
[2] D____
[3] 20.1________________________
[4] 17.1________________________
[5] 19.9________________________