1. $\overline{A D}$ is tangent to both circles in the figure (not drawn to scale). If $B A=9, A D=23$, and $C D=17$, find the length of $\overline{B C}$ to the nearest tenth.

[A] 32.5
[B] 18.8
[C] 24.7
[D] 24.4
2. $\overline{A D}$ is tangent to both circles in the figure (not drawn to scale). If $B A=7, A D=25$, and $C D=13$, find the length of $\overline{B C}$ to the nearest tenth.

[A] 14.3
[B] 26
[C] 35.4
[D] 25.7
3. $\overline{B C}$ is tangent to $\odot A$ at $B$ and to $\odot D$ at $C$ (not drawn to scale). If $A B=12, B C=18$, and $D C=3$, find the length of $\overline{A D}$, to the nearest tenth.

4. $\overline{B C}$ is tangent to $\odot A$ at $B$ and to $\odot D$ at $C$ (not drawn to scale). If $A B=10, B C=16$, and $D C=4$, find the length of $\overline{A D}$, to the nearest tenth.

5. $\overline{B C}$ is tangent to $\odot A$ at $B$ and to $\odot D$ at $C$ (not drawn to scale). If $A B=9, B C=19$, and $D C=3$, find the length of $\overline{A D}$, to the nearest tenth.

[1] D
[2] D
[3] 20.1
[4] 17.1
[5] 19.9
