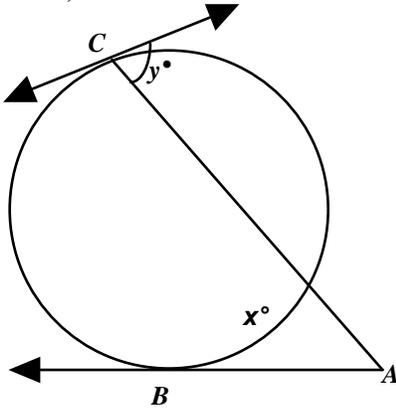


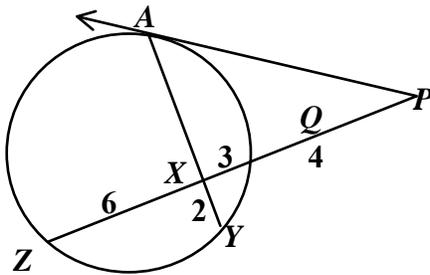
NAME: _____

1. Find the measure of each variable if $m\angle A = 19$ and $m\widehat{BC} = 118$. (not drawn to scale)



- [A] 80; 162 [B] 80; 81
 [C] 99; 81 [D] 99; 162

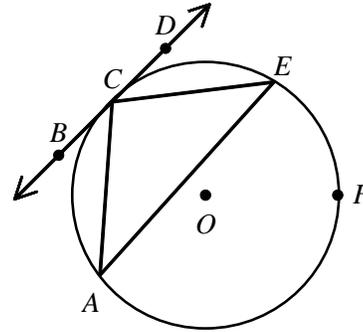
2. Compare the quantity in Column A with the quantity in Column B.



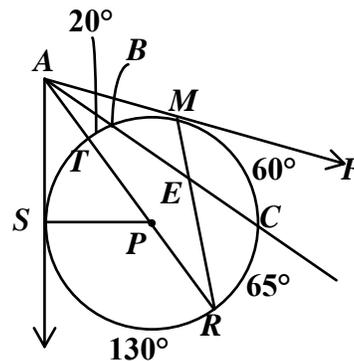
| | |
|-----------------|-----------------|
| <u>Column A</u> | <u>Column B</u> |
| AP | AX |

- [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.

3. Given: \overleftrightarrow{BD} is tangent to $\odot O$ at C . The measure of $\widehat{EAC} = 284$ and $m\angle ACB = 41$. Find $m\widehat{AC}$.



4. Given circle P with tangents \overleftrightarrow{AF} and \overleftrightarrow{AS} , which of the following has the greatest measure?



- [A] $m\angle CER$ [B] $m\angle SAR$
 [C] $m\widehat{BM}$ [D] $m\angle FMR$ [E] $m\widehat{ST}$

[1] B

[2] B

[3] 82

[4] D