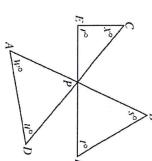
1. In the figure above, \overline{AB} , \overline{CD} , and \overline{EF} intersect at P. is the value of x? If r = 90, s = 50, t = 60, u = 45, and w = 50, what

'n

EXCEPT

Each of the following is equivalent to $\frac{a}{b}(bc + k)$

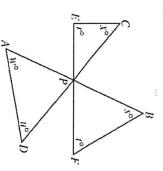
- (A) 45
 (B) 50
 (C) 65
 (D) 75
 (E) It cannot be determined from the information given.



(B) $a\left(c + \frac{k}{b}\right)$

Note: Figure not drawn to scale.

abc + ak



Hon ALG 2 BELLWORK

WED. JAN 18, 2017

(C) $\frac{a}{b}(k+bc)$

All of Kay's brothers can swim.

ω

15° 30° 45° 60° 90°

A

In the figure above, triangle ABC is inscribed in the

circle with center O and diameter AC. If AB = AO,

what is the degree measure of $\angle ABO$?

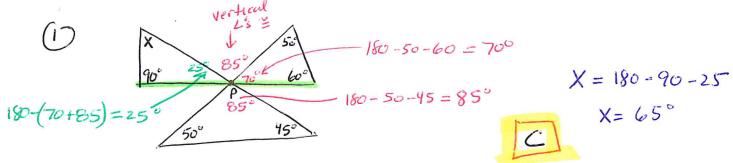
- 4. If the statement above is true, which of the following must also be true?
- (B) (A) If Dave can swim, then he is not Kay's brother. If Fred cannot swim, then he is not Kay's brother.
- $\overline{\mathbb{Q}}$ <u>a</u> If Walt can swim, then he is Kay's brother.
- If Pete is Kay's brother, then he cannot swim.
- If Mark is not Kay's brother, then he cannot swim.

- B B B B B 7.5 15 22.5 30

4
-
18
8
•
•
:

- <u>ი</u> In the sequence above, the first term is 4 and each term after the first is 7 more than the previous term. What is the 12th term of the sequence?
- (A) 77 (B) 81 (C) 84 (D) 86 (E) 92





(2) A if you distribute the b
$$\Rightarrow$$
 a $\left(\frac{bc+k}{b}\right) = a\left(c+\frac{k}{b}\right)$

$$\frac{5}{2} = 15 \rightarrow \pm +y = 30$$

$$\frac{\omega + \chi}{2} = 15 \rightarrow \omega + \chi = 30$$

$$AV6 = \frac{\pm +y + \omega + \chi}{4} = \omega \frac{60}{4} = 15$$

m=4+7+7+7

plus a bunch of 7's. The

of 7's is one less than

the term #.