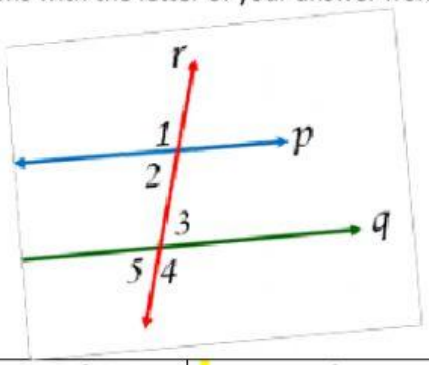
MATH 8 QUARTER 4 LAS 4a: LESSON- PROPERTIES OF PARALLEL LINES

DIRECTIONS: TYPE YOUR ANSWERS IN THE BOX PROVIDED, CLICK FINISH THEN CLICK CHECK MY ANSWERS. TAKE A SCREENSHOT OF YOUR SCORE THEN SEND IT TO MY MESSENGER.

Activity 1-B:

Fill in the missing statements and reasons with the letter of your answer from the choices.



Lines p and q are parallel and is cut by line r.
If **<1 = 115⁰**, find the measure of the numbered angles 2, 3, 4, and 5. Give your reason.

CHOICES:

A. Vertical Angles	**C.** Linear Pair	**E.** $<5 = 65^0$	**G.** $<3 = 65^0$	**I.** $<4 = 115^0$
B. Supplementary Angles	**D.** $<2 = 180 - 115$ $<2 = 65^0$	**F.** Alternate Interior Angles	**H.** Alternate Exterior Angles	**J.** $115^0 + <2 = 180^0$

Solution:

Statements	Reasons
1. $p \parallel q$ cut by a transversal r $< 1 = 115^0$	1. Given
2. $\angle 1$ and $\angle 2$	2.
3. $\angle 1 + \angle 2 = 180^0$	3.
4.	4. Substitution
5.	5. Subtraction Property of Equality
6. $<2 = <3$	6.
7.	7. Substitution
8. $<3 = <5$	8.
9.	9. Substitution
10. $<1 = <4$	10.
11.	11. Substitution