Name_____   Date_____

Use the following arithmetic sequence: "3, 7, 11, 15, 19,……" to critique the work of Jasen and Mackenzie. Who do you think is correct? Use what you know about arithmetic formulas to support your answer.

Jasen:	Mackenzie:
Jasen writes an explicit formula for the arithmetic sequence. He says the explicit formula is $a_n = 3 + 4(n + 1)$	Mackenzie writes an explicit formula for the arithmetic sequence. She says the explicit formula is $a_n = 4n - 1$

I think _____ is correct because_____

_____

_____

_____

I know this is true because _____

_____

_____

_____made a mistake when_____

_____

_____

_____

 We Understand

_____

_____

_____

_____

Write a mathematical argument to justify your answer. Make sure you include:

- ☐ Who do you agree with, Jasen or Mackenzie?
- ☐ Evidence to support who is correct
- ☐ Evidence to support who is incorrect
- ☐ Warrants (from the We Understand section)

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