3	(a)	A geometric progression has first term $3a$ and common ratio $r$ . A second geometric progression has first term $a$ and common ratio $-2r$ . The two progressions have the same sum to infinity. Find the value of $r$ .

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S	of a second arithmetic progression are $420$ and $415$ respectively. The two progressions have same sum of the first $n$ terms. Find the value of $n$ .
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