MASSACHUSETTS MATHEMATICS LEAGUE FEBRUARY 2004 ROUND 6: SEQUENCES & SERIES

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B)	
C)	
A) In an arithmetic sequence of ten terms, the tenth term is 14, and their sum is 5. Find the second term.	
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B) The second term of a geometric sequence is 12, and the sixth term is 1024/27. Find the first term	m.
C) The six terms $2x - 3$, t, $7 - 12y$, $x + 3$, $3y - 4$, $x + 12$ are in arithmetic sequence. Find the ordered triple (x, y, t) .	