Name : _____

Arithmetic Sequence - Unknowns

1) An arithmetic sequence is formed by $\dfrac{96}{z} - 1$, $\dfrac{110}{z} - 1$, $\dfrac{124}{z} - 1$, $\dfrac{138}{z} - 1$, $\dfrac{152}{z} - 1$, ...
    Find z, if the 16th term is 152.

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2) If $-7b - 1$, $-5b -$ .... c progression and
    the 45th term is

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3) If the twenty-th .... 5, r $-$ 12, r $-$ 19,
    r $-$ 26, ... is -143

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4) If q, 2q + 3, 3q $-$ .... juence and the
    8th term is 61, d

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5) An arithmetic progression is formed by $\dfrac{22}{w}$, $\dfrac{34}{w}$, $\dfrac{46}{w}$, $\dfrac{58}{w}$, $\dfrac{70}{w}$, ... If the 34th term
    is $\dfrac{418}{15}$, find w.

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