

Name : _____

Finite Arithmetic Sequence

T1S1

Find the number of terms(n) of the sequence, if the first term(a), common difference(d) and the last term(l) are given.

1) $a = 5, d = 2, l = 25$

2) $a = \frac{1}{2}, d = 4, l = \frac{41}{2}$

3) $a = 1.5, d = 7.0$

$l = -5\sqrt{5}, l = -44\sqrt{5}$

5) $a = 60, d = -7$

$l = 0.5, l = 7.5$

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7) $a = \frac{3}{4}, d = \frac{1}{3}, l = \frac{17}{12}$

8) $a = -2, d = 7, l = 110$