

Name : _____

Arithmetic Series

T152

Determine the number of terms(n) in each arithmetic series.

1) $\frac{9}{5} + \frac{68}{35} + \frac{73}{35} + \dots$ upto n terms = $\frac{171}{7}$

2) $-6.4 - 2.5 + 1.4 + \dots$ upto n terms = 421.6

3) $\sqrt{7} - \sqrt{63} - \sqrt{343} + \dots$ upto n terms = -1328

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5) $153 + 143 + 133 + \dots$ upto n terms = $\frac{928}{21}$

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7) $-35 - 41 - 47 - \dots$ upto n terms = -816

8) $16 + 31 + 46 + \dots$ upto n terms = 1589