

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