Name : _____

Arithmetic Series

T1S1

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

1) $0.2 + 0.5 + 0.8 + \ldots$ upto n terms $= 10$

2) $-\frac{2}{3} - \frac{23}{12} - \frac{19}{6} - \ldots$ upto n terms $= -\frac{181}{2}$

3) $-48 - 54 - 60 - \ldots$ upto n terms $= -1782$

4) $-5.4 - 2.2 + 1 + \ldots$ upto n terms $= 255$

5) $\frac{5}{2} + \frac{29}{6} + \frac{43}{6} + \ldots$ upto n terms $= \frac{213}{2}$

6) $102 + 107 + 112 + \ldots$ upto n terms $= 4988$

7) $\sqrt{3} + \sqrt{48} + \sqrt{147} + \ldots$ upto n terms $= 145\sqrt{3}$

8) $-12 - 8 - 4 - \ldots$ upto n terms $= 2220$