#02 SA Arithmetic Progression

Total points   5/5   ?

The respondent's email () was recorded on submission of this form.

Name *

_____

Class *

◯

✓ *   1/1

If in an AP, the pth term is q and the (p + q)th term is 0, then the qth term is

○ -p

○ p + q

◉ p   ✓

○ p - q

✓ *   1/1

Let S_n denote the sum of first n terms of an AP. If $S_{2n} = 3S_n$, then $S_{3n} : S_n$ is

○ 4

◉ 6   ✓

○ 8

○ 10

✓ If there are (2n + 1) terms of an AP, then the ratio of the sum of odd terms 2/2
   to the sum of even terms is *

○ (2n):(2n + 1)

◉ (n + 1):n

○ (n - 1).n

○ n:(2n + 1)

○ (2n + 1):n

✓ The pth term of an AP is a and qth term is b. The sum of its (p + q) terms   1/1
is *

$$\frac{(p+q)}{2}\left\{a - b + \frac{(a+b)}{p-q}\right\}$$

○ Option 1

$$\frac{(p+q)}{2}\left\{a - b + \frac{(a+b)}{p+q}\right\}$$

○ Option 2

$$\frac{(p+q)}{2}\left\{a + b + \frac{(a-b)}{p-q}\right\}$$

◉ Option 3   ✓

$$\frac{(p+q)}{2}\left\{a + b + \frac{(a+b)}{p+q}\right\}$$

○ Option 4