## Answer to Question #84738 - Math - Algebra

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Let us assume that three three consecutive odd integers are n, (n+2) and (n+1)
Therefore, the given condition is as follows
n + (n+2) + (n+4) = (n+4)^2 - 60
3n + 6 = n^2 + 16 + 8n - 60
n^2 + 16 + 8n - 60 - 3n - 6 = 0
n^2 + 5n - 50 = 0
n^2 + 10n - 5n - 50 = 0
n(n+10) - 5(n+10) = 0
(n+10)(n-5) = 0
    \Rightarrow n-5=0 \text{ or } n+10=0
\Rightarrow n = 5 \text{ or } n = -10
Hence,
The first integer is 5.
n+2=5+2=7: The second integer is 7.
n+4=5+4=9: The third integer is 9.
CHECK:
5 + 7 + 9 = (9)^2 - 60
21 = 81 - 60
21 = 21
```