Crack the Code — Sums of Series

A	Evaluate $\sum_{r=1}^{5} r^2 + 3r$ 100	**B**	Evaluate $\sum_{r=1}^{6} 2r^3 - 1$ 876
C	Evaluate $\sum_{r=1}^{15} 3r - 2$ 330	**D**	Evaluate $\sum_{r=1}^{24} 3r^2 - 7$ 14532
E	Evaluate $\sum_{r=10}^{20} 15 - 4r^2$ -10175	**F**	Evaluate $\sum_{r=6}^{10} r(3r + 1)$ 1030
G	Evaluate $\sum_{r=5}^{8} 5r(1 + r)(1 - r)$ -5850	**H**	Given that $\sum_{r=1}^{15} 3r^2 + a = 3975$ find the value of a 17
I	Given that $\sum_{r=1}^{n} br^3 = 5n^2(n + 1)^2$ find the value of b 20	**J**	Given that $\sum_{r=1}^{n} c - 2r = 8n - n^2$ find the value of c 9

To get the three-digit code, add all your answers together. 889