

Advanced Higher Maths
SQA 2019 Paper
Question 7



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- (a) Find an expression for $\sum_{r=1}^n (6r + 13)$ in terms of n . 1
- (b) Hence, or otherwise, find $\sum_{r=p+1}^{20} (6r + 13)$. 2
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Answers:

- (a) $3n^2 + 16n$
- (b) $1520 - 3p^2 - 16p$