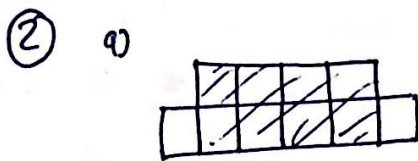


A093 Linear sequences

- ① a) $4n+2$
 b) No, inverse operation showing $n \neq \text{integer}$

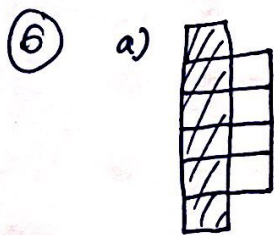


- b) 16
 c) No, with a valid reason

- ③ a) $5n-2$
 b) No, supported using substitution

- ④ -4, -10

- ⑤ a) $3n+1$
 b) No, $n \neq \text{integer}$



- b) 42
 c) $n+2$

- ⑦ a) 18
 b) No, one more square than the pattern no.

- ⑧ a) 36
 b) 80
 c) yes, $\text{odd}^2 = \text{odd}$

- ⑨ 18

- ⑩ a) -1
 b) yes, numbers in the sequence are odd

- ⑪ a) $n = \frac{17}{3}$, not an integer
 b) 8, 16 or 7, 11 or 5, 7

Handwritten notes at the top right of the page, including the number '2017'.

Extensive handwritten notes on the right side of the page, including calculations, reasoning, and answers for each question. Some notes include phrases like 'inverse operation', 'substitution', and 'odd squared is odd'.