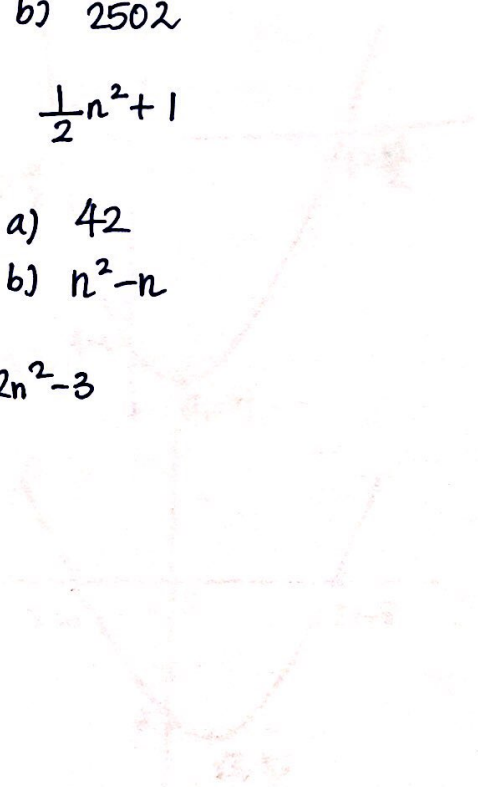


A208 Quadratic sequences

- ① a) $n^2 + 2n$
b) 36 is not a term as $2^n + 5$
as 31 is not a power of 2
- ② $n^2 - n + 1$
- ③ $2n^2 + n + 1$
- ④ a) $n^2 + 2$
b) 2502
- ⑤ $\frac{1}{2}n^2 + 1$
- ⑥ a) 42
b) $n^2 - n$
- ⑦ $2n^2 - 3$



BIBB

① $2 = 0, 0 = x$
 $3 = 0, 0 = x$

② $\frac{31}{7} = 0, \frac{31}{7} = x$
 $1 = 0, 0 = x$

③ $\frac{25}{2} = 0, \frac{25}{2} = x$
 $58 = 0, 4 = x$

④ $88 = 0, 4 = x$
 $2 = 0, 1 = x$

⑤ $5 = 0, 5 = x$
 $4 = 0, 1 = x$

⑥ $(2, 2)$ has $(2, 4)$

⑦ $(8, 2)$ has $(2, 2)$

⑧ $(8, 2)$ has $(2, 2)$

⑧ $(8, 2)$ has $(2, 2)$