

**24**  $(2x + 1)$ ,  $(10x - 10)$  and  $(35x - 5)$  are the first three terms of a sequence.

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The first term of the sequence is  $(2x + 1)$  where  $(2x + 1) \neq 0$

After the first term, all other terms of the sequence are found by using the rule

‘multiply the previous term by  $d$ ’

Given that  $x$  is an integer,

find the value of  $d$ .

$$d = \dots$$

**(Total for Question 24 is 5 marks)**

