

**3** $6n - 1$  evaluated for any positive integer**M1****1.1**eg  $6 \times 1 - 1 = 5$ 

$n$	1	2	3	4	5	6	7	8	9
$6n - 1$	5	11	17	23	29	35	41	47	53
$n$	10	11	12	13	14	15	16	17	18
$6n - 1$	59	65	71	77	83	89	95	101	107
$n$	19	20	21	22	23	24	25	26	27
$6n - 1$	113	119	125	131	137	143	149	155	161

may see eg  $n = 11, 17, 23, 29$ - sight of any value in the table would imply the M1

eg  $6 \times 6 - 1 = 35 = 5 \times 7$  which is not prime**A1****1.1**

Must show it's factorisation so show it's not prime and give a concluding comment e.g 'not prime'

If they say '35 is divisible by 5' so not prime etc then A1 BUT '35 isn't prime' is A0

**[2]**