

3		$(2n+1)^2 - (2n-1)^2 \text{ oe}$ $4n^2 + 4n + 1 - (4n^2 - 4n + 1)$ $= 8n \text{ (so multiple of 8)}$	<b>B1</b>  <b>M1</b>  <b>A1</b>  <b>[3]</b>	<b>2.1</b>  <b>1.1</b>  <b>2.4</b>	Allow one slip eg sign error  Note: Numerical verification 0	OR $P = Q + 2$ $P^2 - Q^2 = (Q + 2)^2 - Q^2$ B1 $= 4(Q + 1)$ (factorized) M1 $(Q + 1)$ divisible by 2 so $4(Q + 1)$ is multiple of 8 A1 OR $Q = P - 2$
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