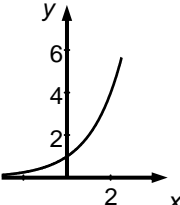


1	1.45 o.e.	2	M1 for $\frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6}$ oe	2
2	(i) 48 geometric, or GP (ii) mention of $ r < 1$ condition o.e. $S = 128$	1 1 1 2	M1 for $\frac{192}{1 - -\frac{1}{2}}$	5
3	(i) (ii)	1 2	M1 for $9 \times (1 + 2 + 3 + 4 + 5) + 1 + 2 + 3$	3
4	(i) (ii) (iii) $n-1$	1 1 1		3
5	224	2	M1 for $2^3 + 3^3 + 4^3 + 5^3$	2
6	(i) (ii) -6 (iii) 	2 1 1 1	M1 for $2^2 + 2^3 + 2^4 + 2^5$ o.e. Correct in both quadrants Through (0, 1) shown dep.	5