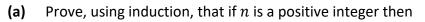
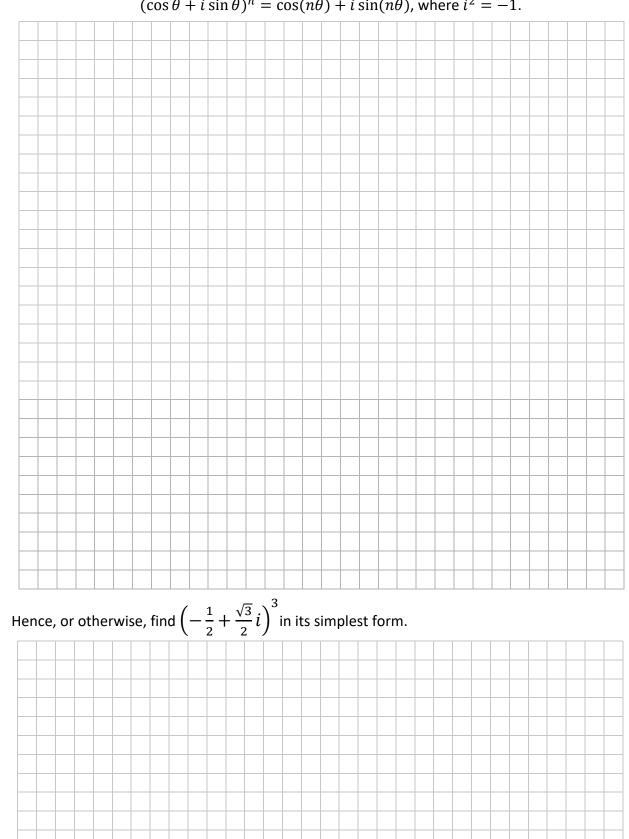
Question 4





 $(\cos \theta + i \sin \theta)^n = \cos(n\theta) + i \sin(n\theta)$, where $i^2 = -1$.

(b)