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**I wanted to have a design that was symmetrical as most things in nature are perfectly symmetrical. Furthermore, the flower is a symbol of the beauty of nature, and is aesthetically pleasing when drawn out by the graphic calculator. I have learnt how to use the polar coordinates system in plotting out the design, and have applied, through trial and error, trigonometry and other functions into this system of plotting. I have discovered some relationships between the  $\theta = ax^2 + bx + c$  equations and the lines that get drawn using the polar coordinate system.**