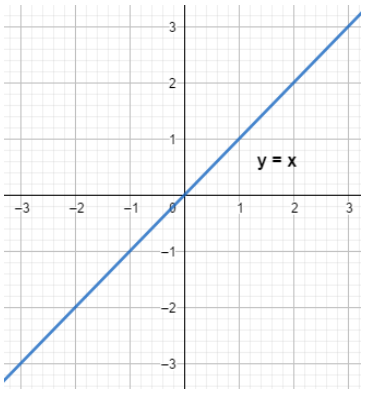
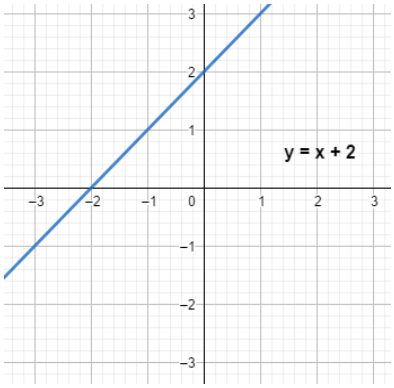
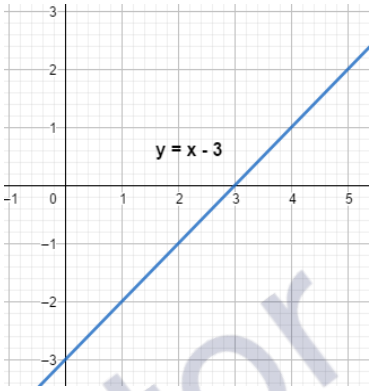
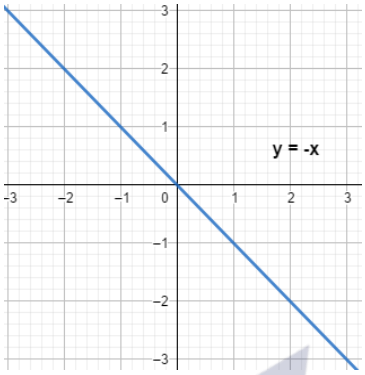
**Shape of Graphs** **IGCSE Mathematics 0580**

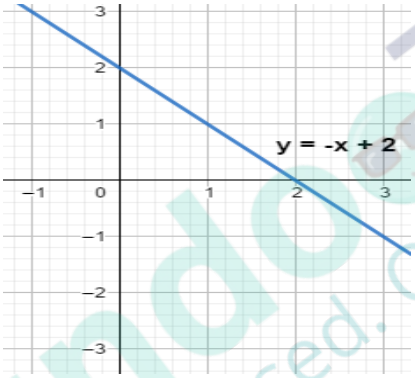
## **Linear Graphs** ($y$ = m$x$ + c)

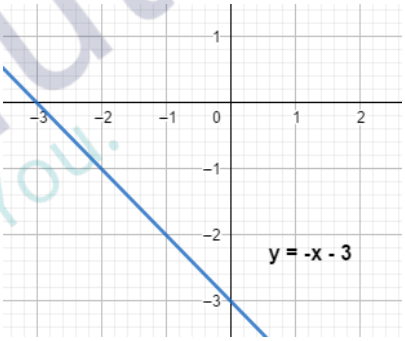


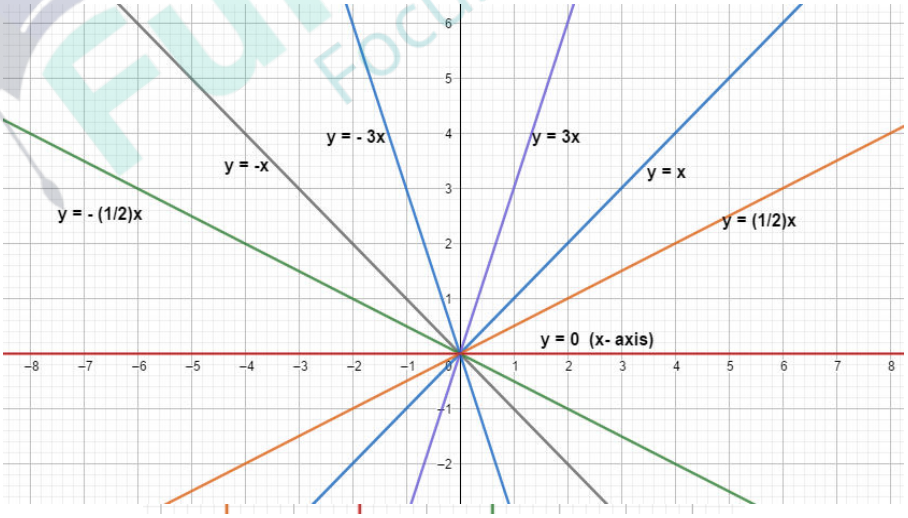



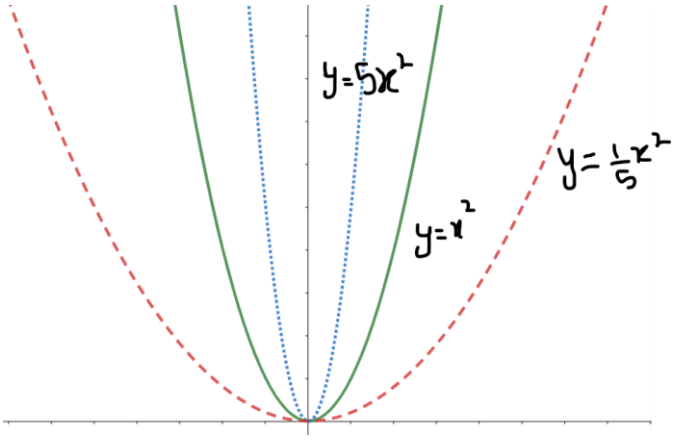



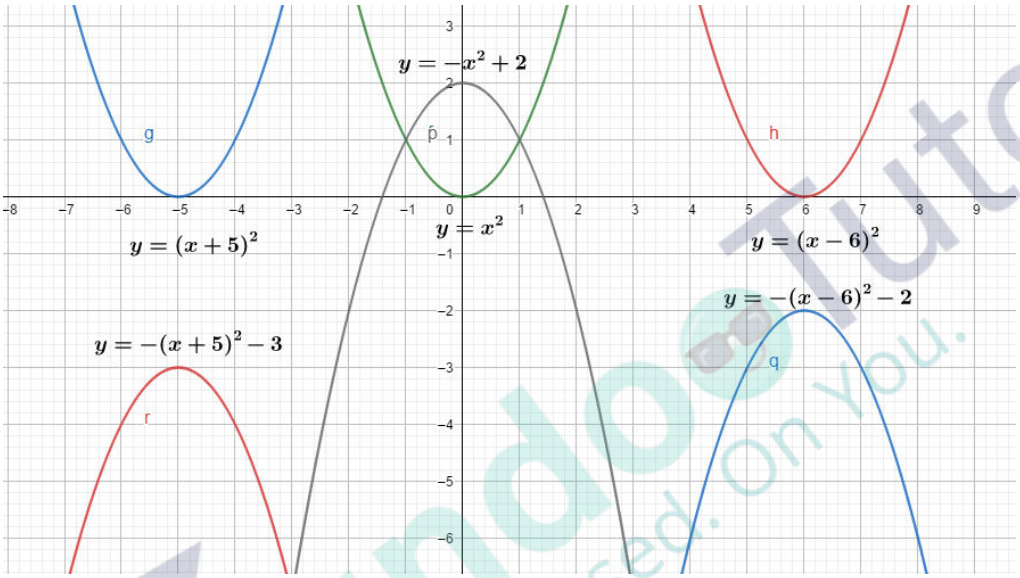



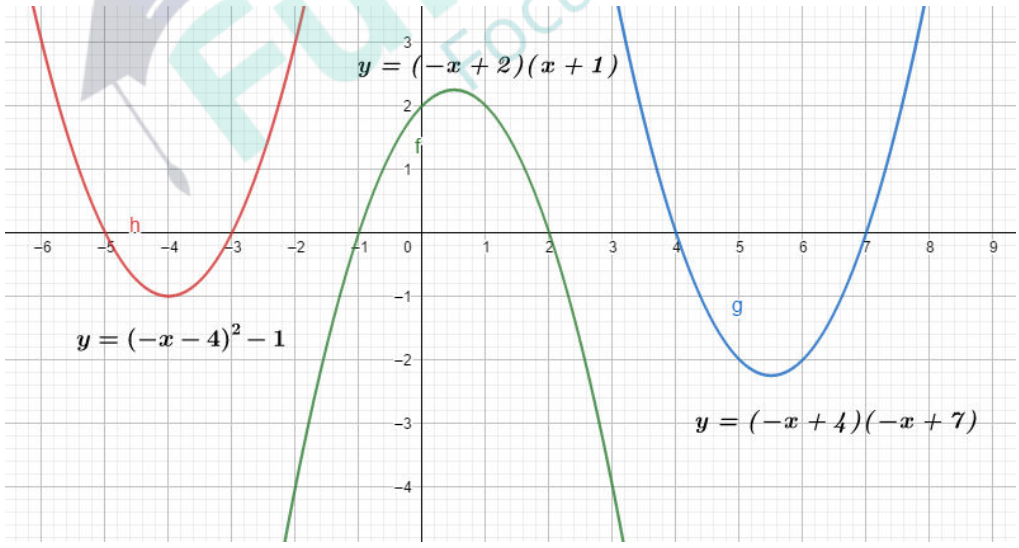




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**Quadratic Graphs** = $ax^2 + bx + c$ or $y = (x + a)(x - b)$ or $= (x + a)^2 + b$

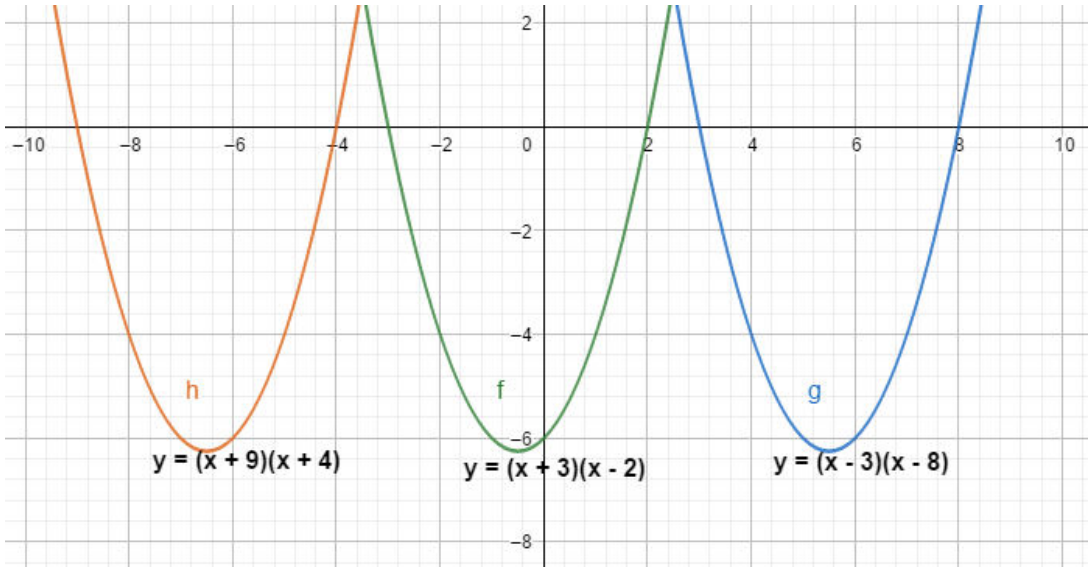


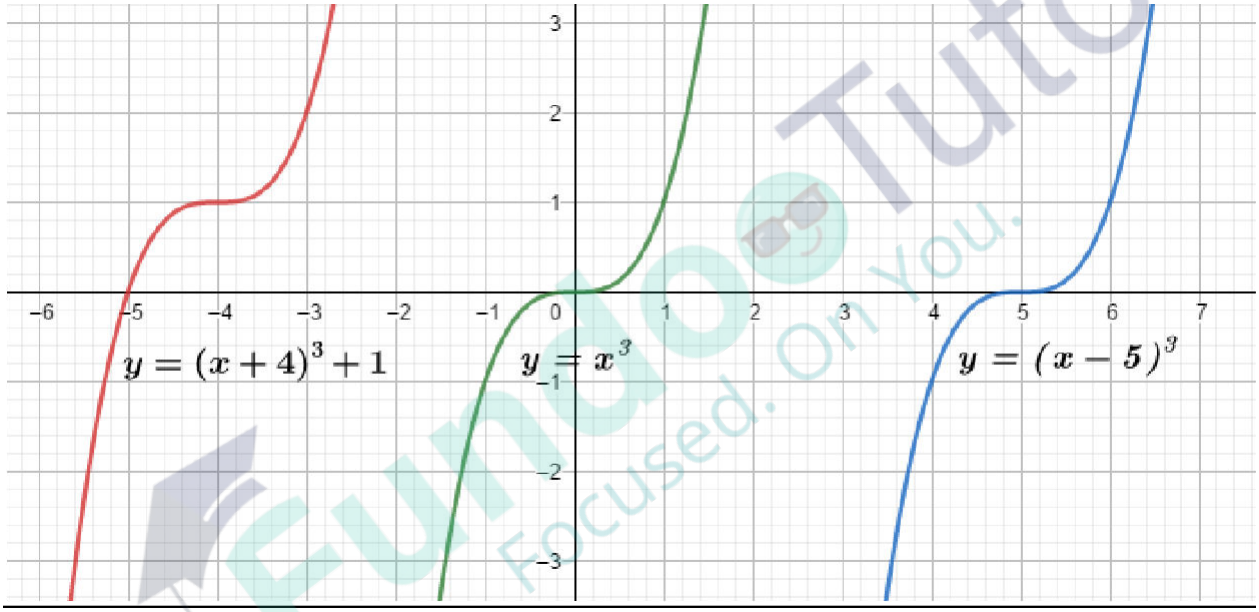




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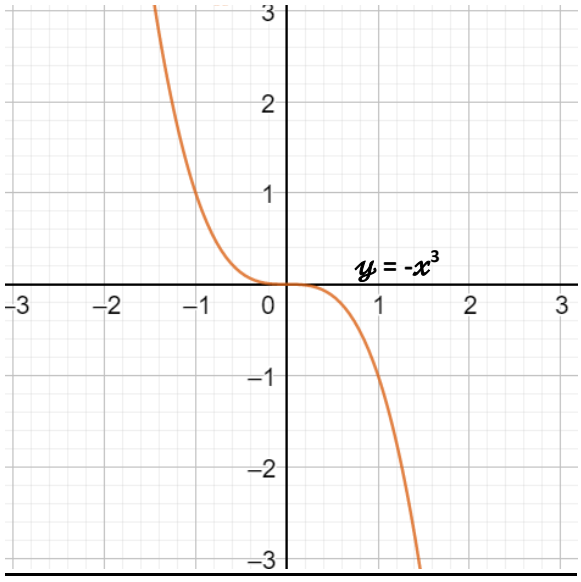
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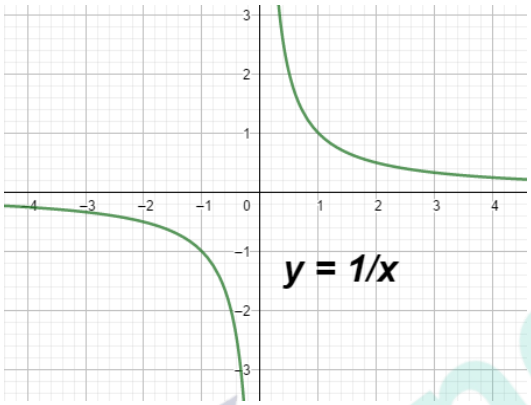

## Cubic Graphs

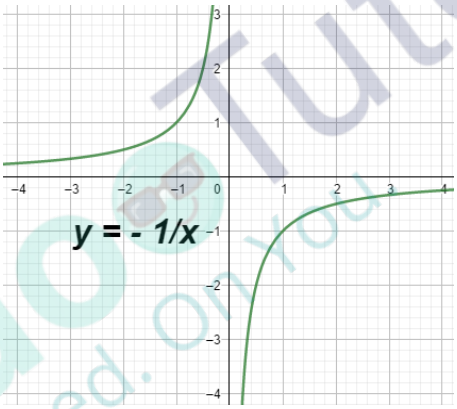


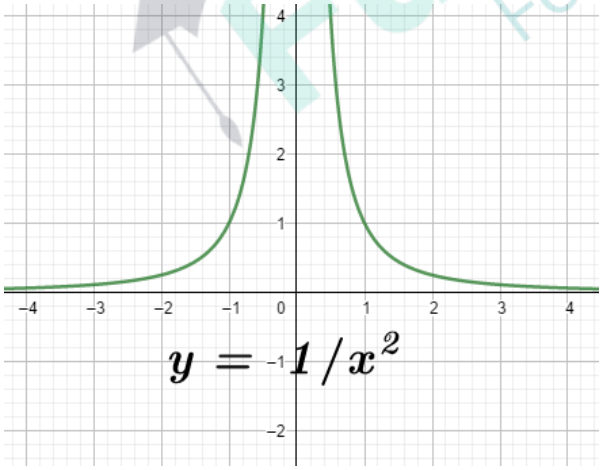

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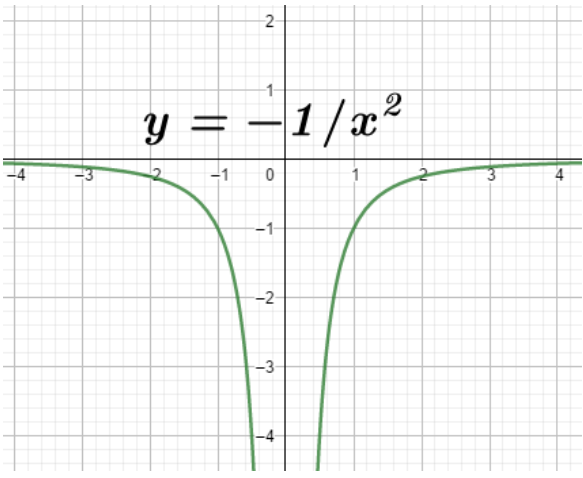



## Reciprocal Graphs (and Asymptotes)



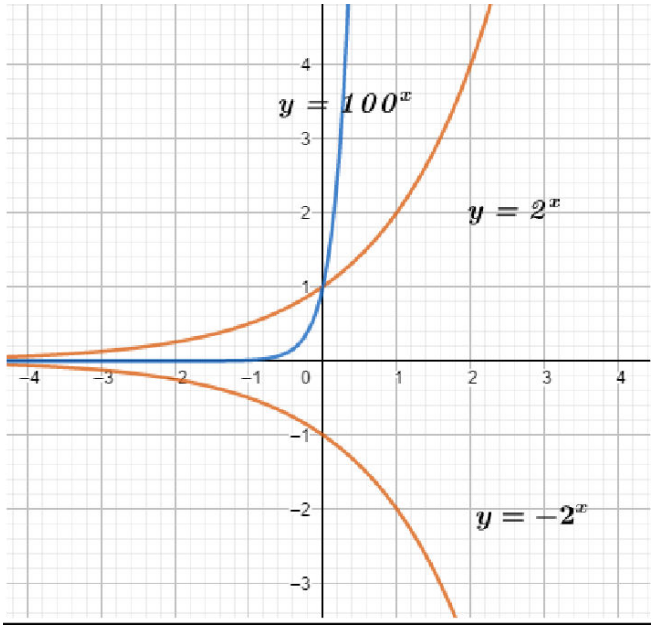



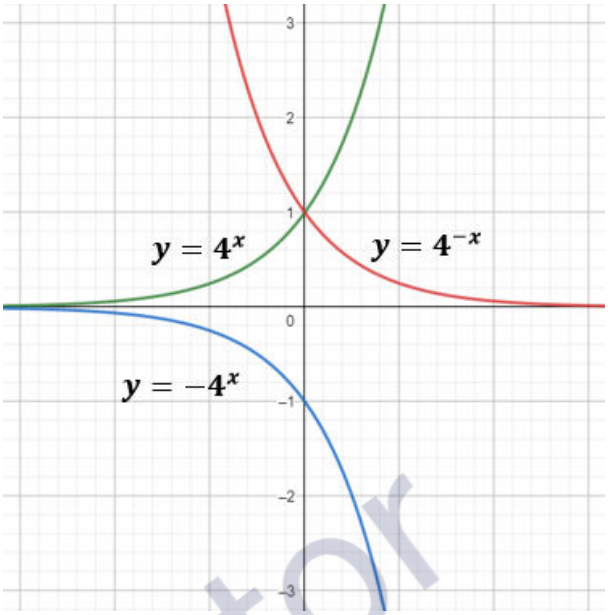



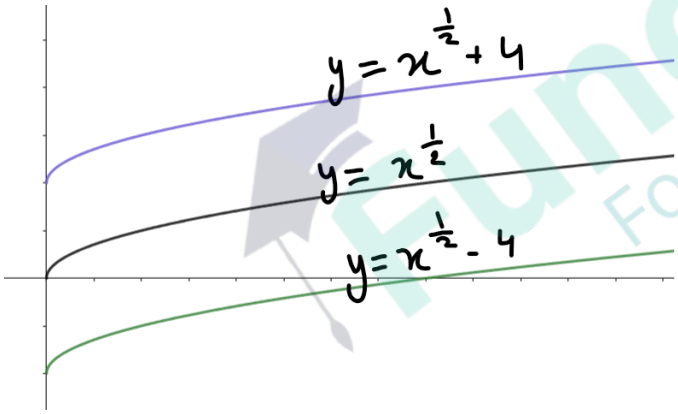



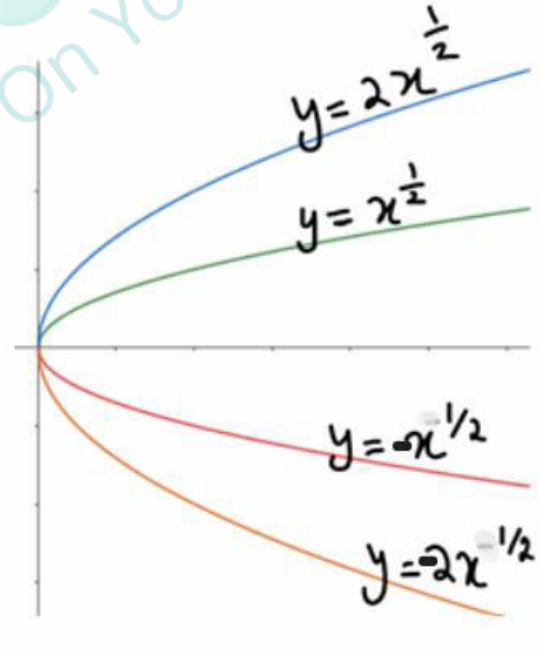

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## Exponential Graphs (and assymptotes)



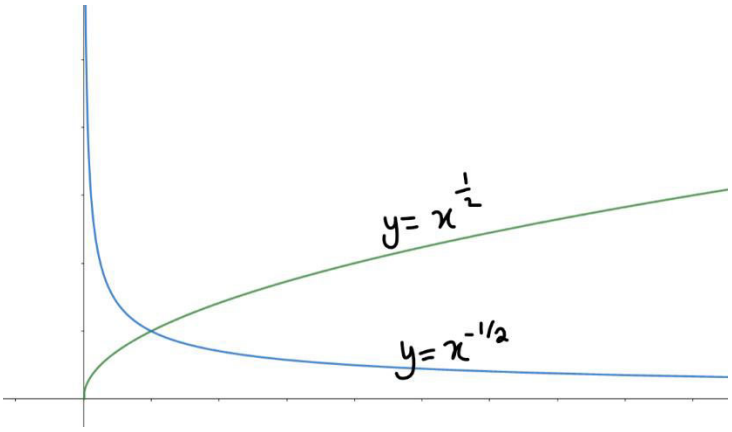



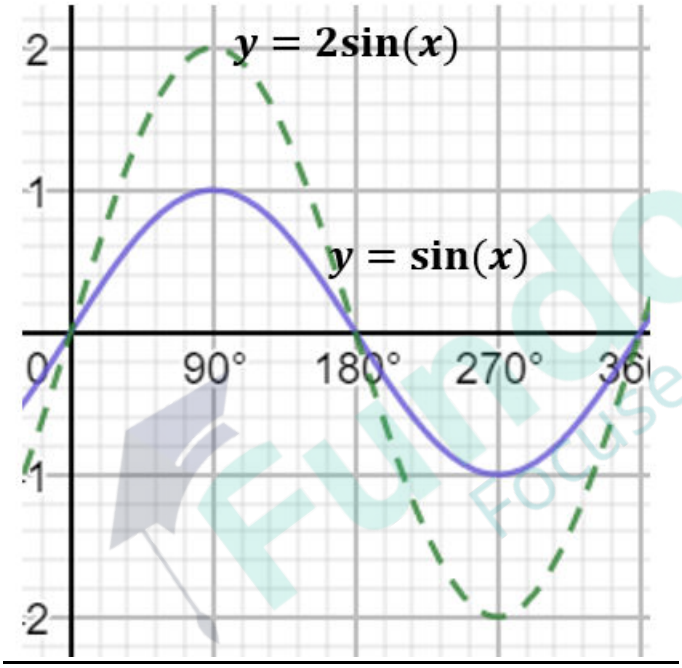



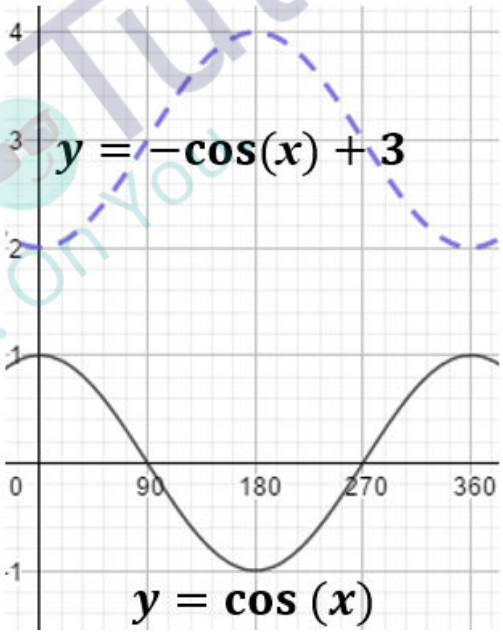

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## Graph of Surds ($ax^{1/2} + c$ and $ax^{-1/2} + c$)

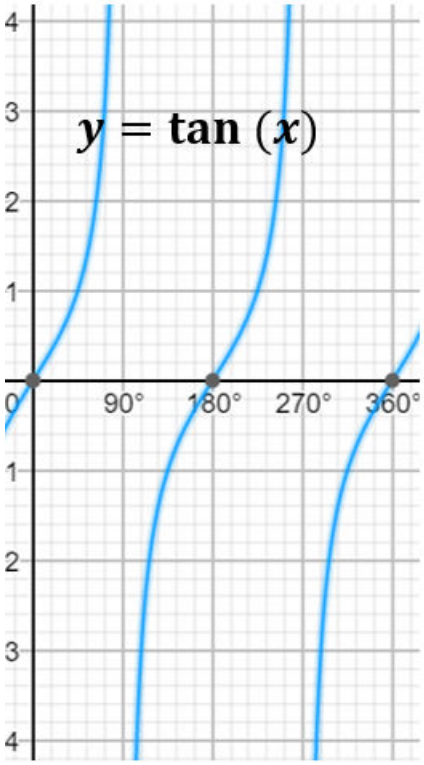


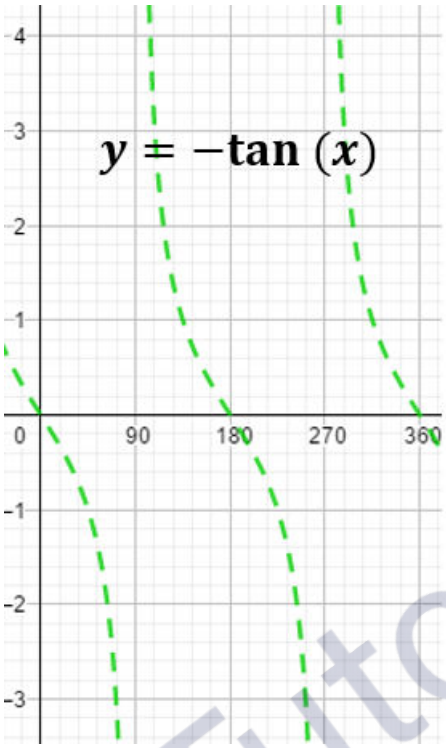

## Trigonometric Graphs




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