



Innosphere Empire

VERTICAL LINE TEST

EDUCATION and ENTERTAINMENT and EMPIRE (E³)





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HOW TO DETERMINE WHETHER A GRAPH OF RELATION IS A FUNCTION?



EDUCATION and ENTERTAINMENT and EMPIRE (E³)



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01 Linear
Function

04 Modulus
Function

02 Rational
Function

**How to
determine
whether a
graph of
relation is a
function?**

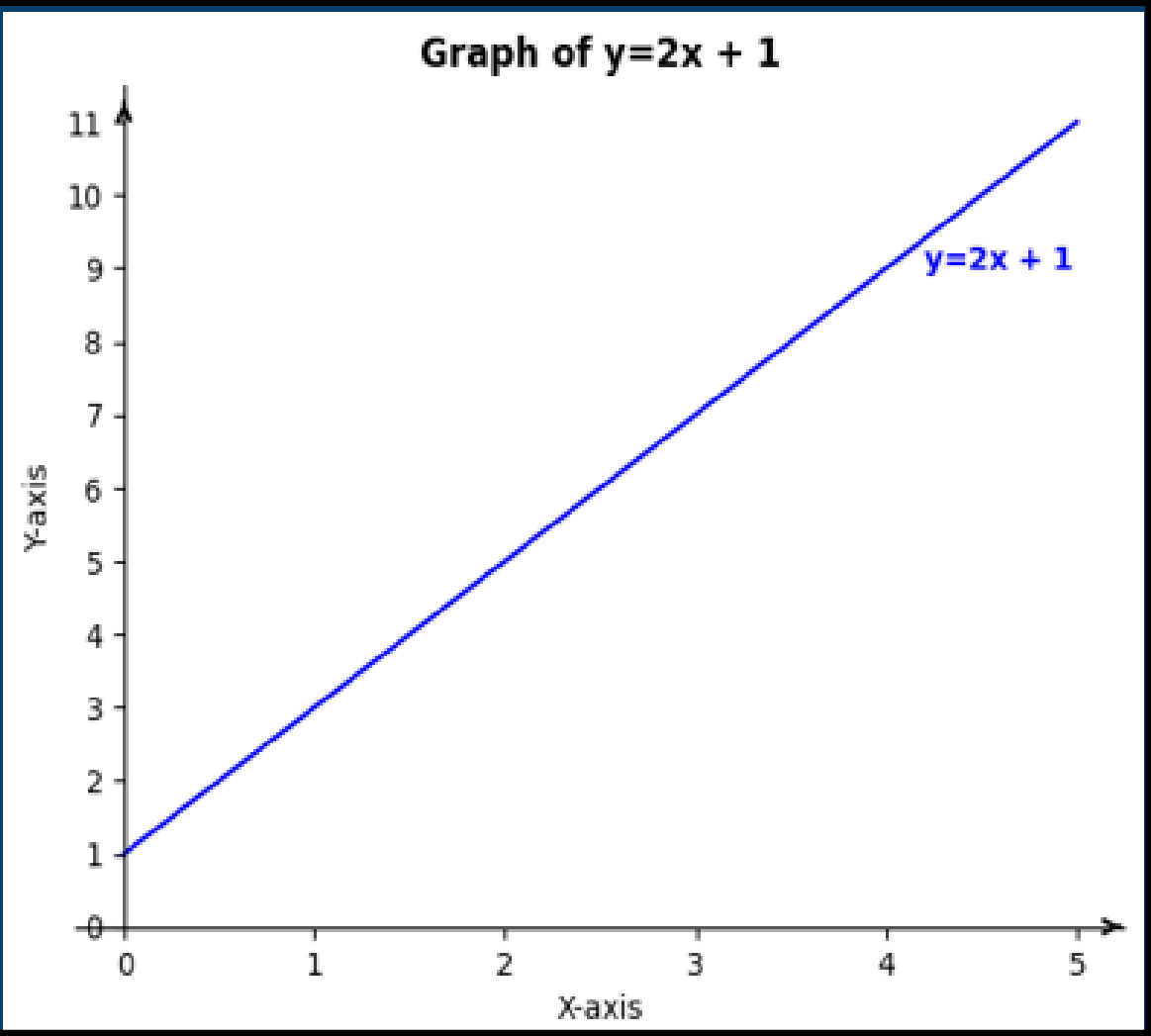
05 Ellipse

03 Quadratic
Function
(vertical
parabola)

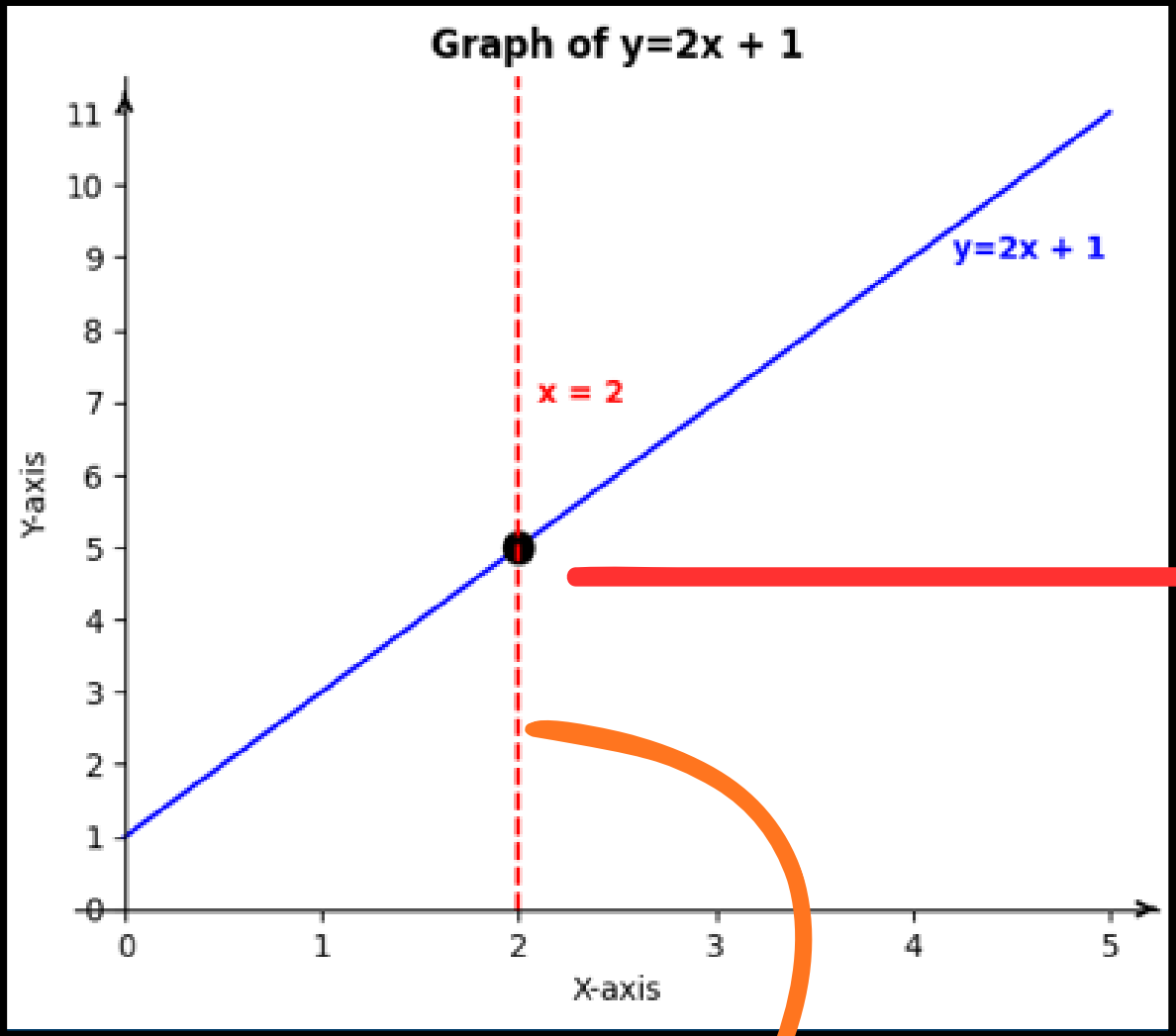
06 Horizontal
Parabola



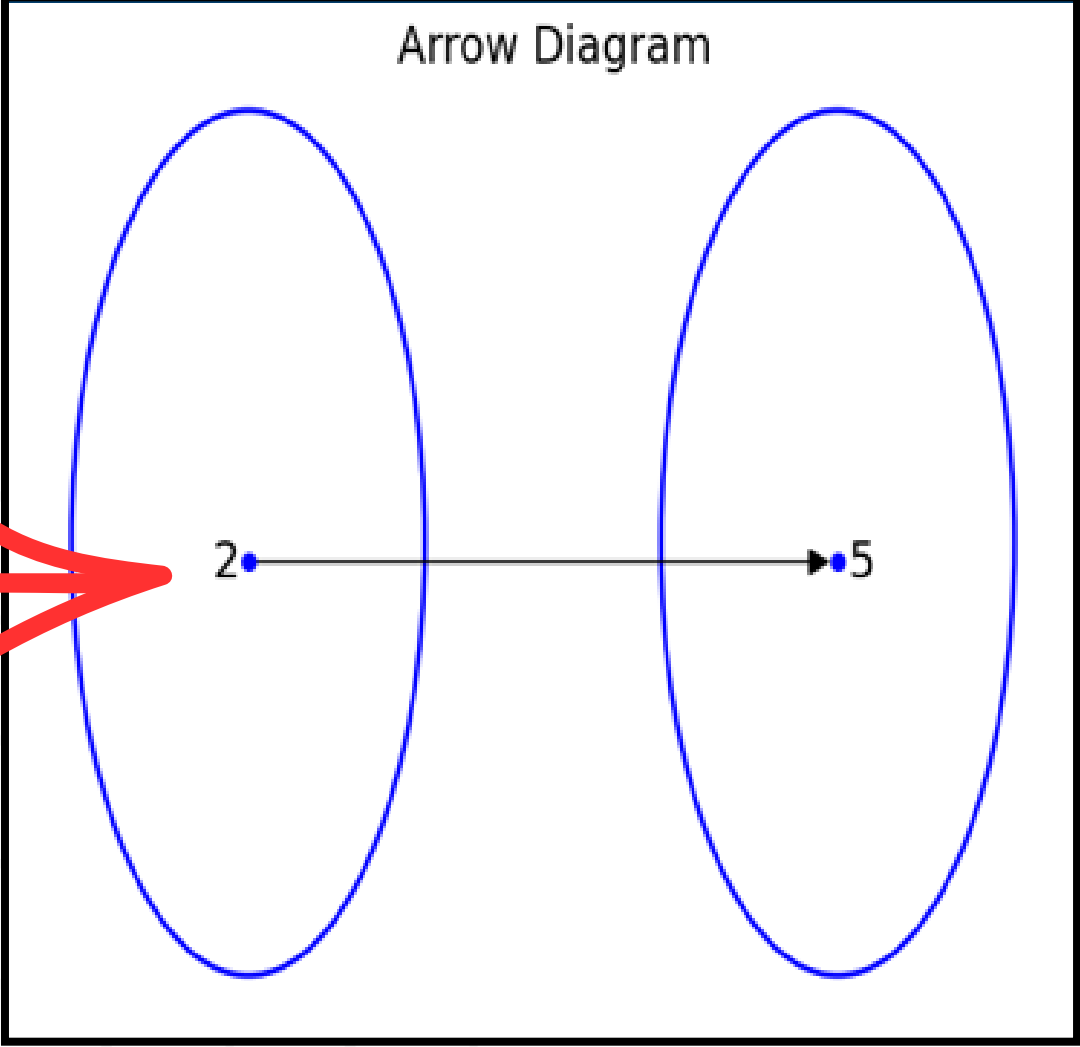
01 Linear Function



Graph of Linear Function



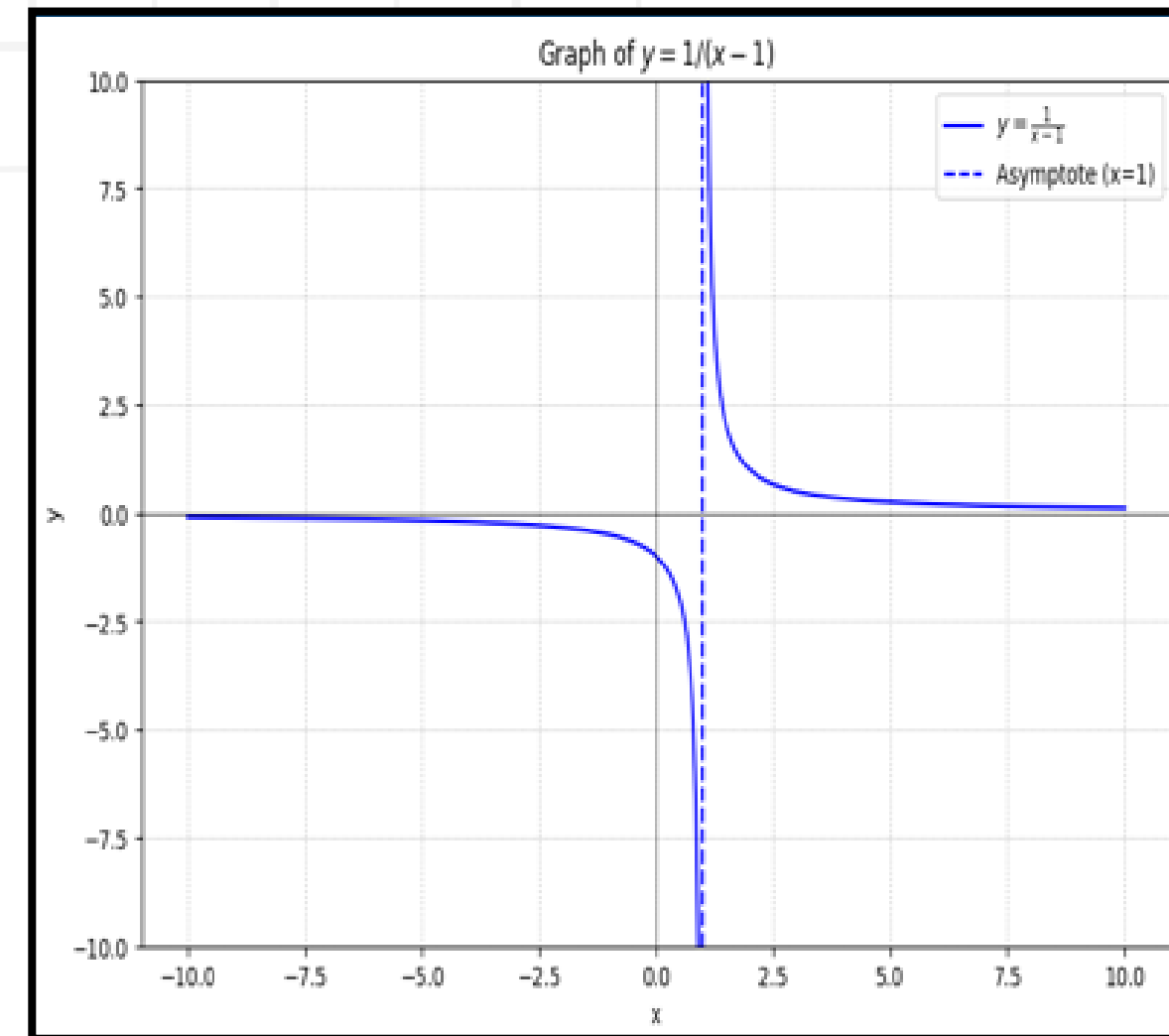
Vertical Line Test



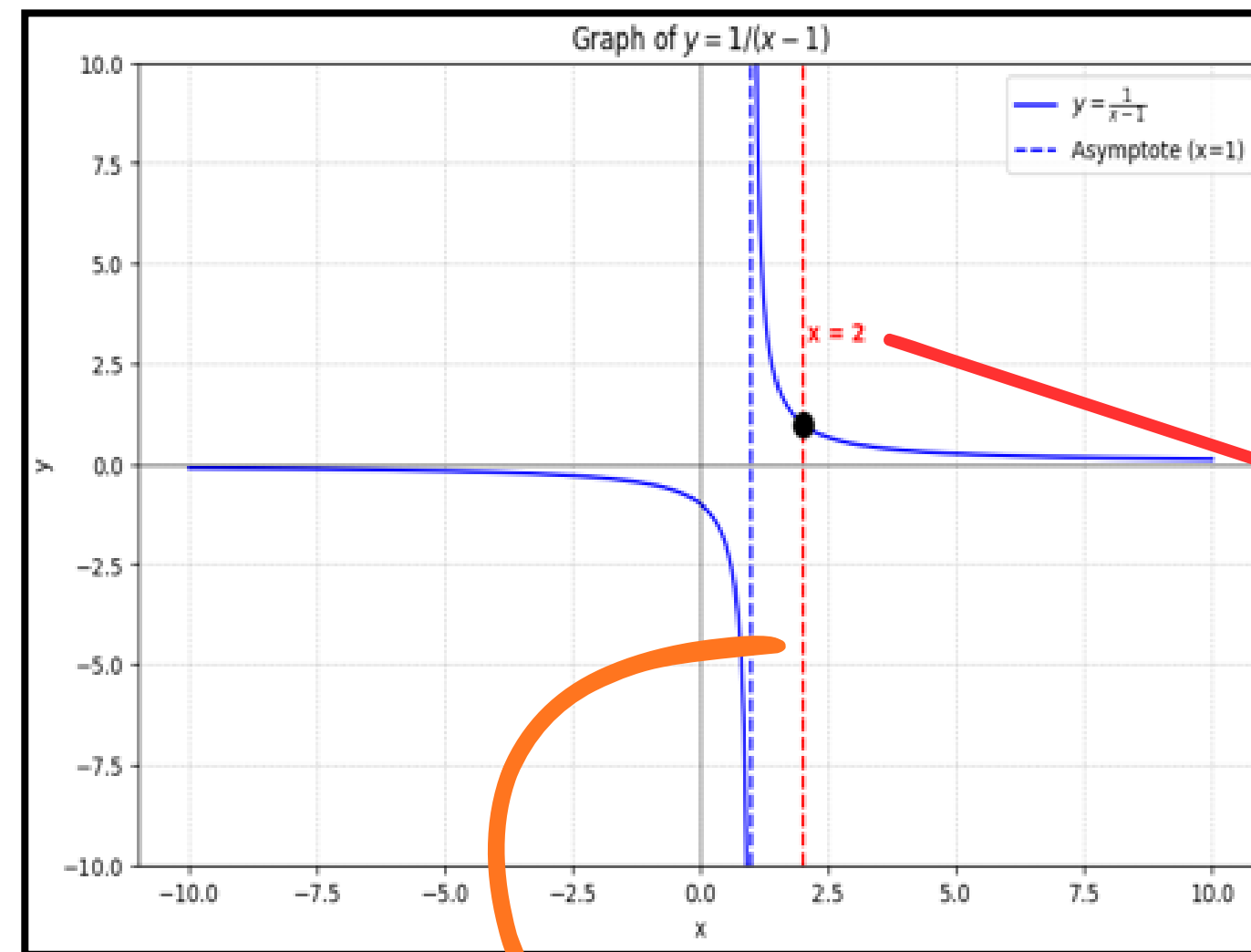
One to One Function



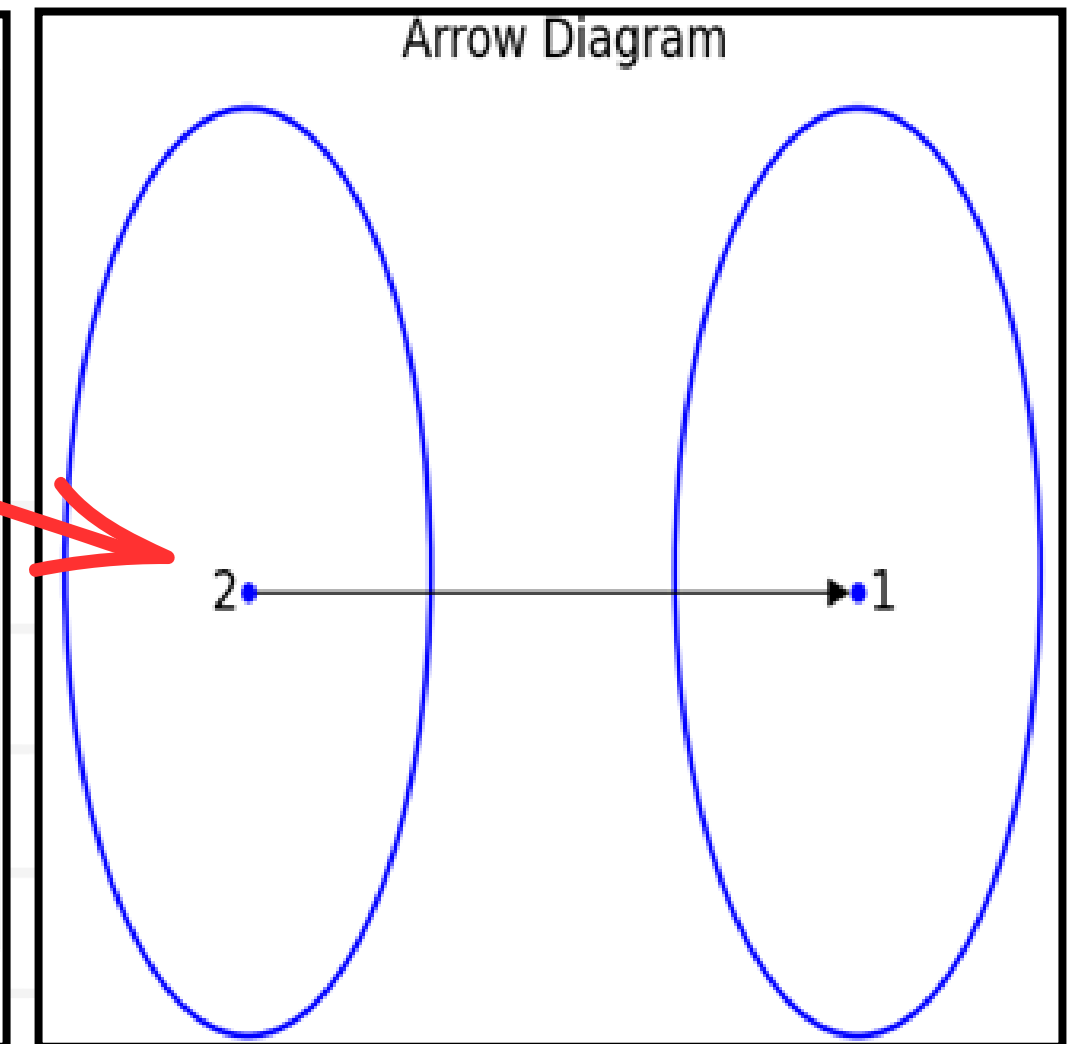
02 Rational Function



Graph of Rational Function



Vertical Line Test

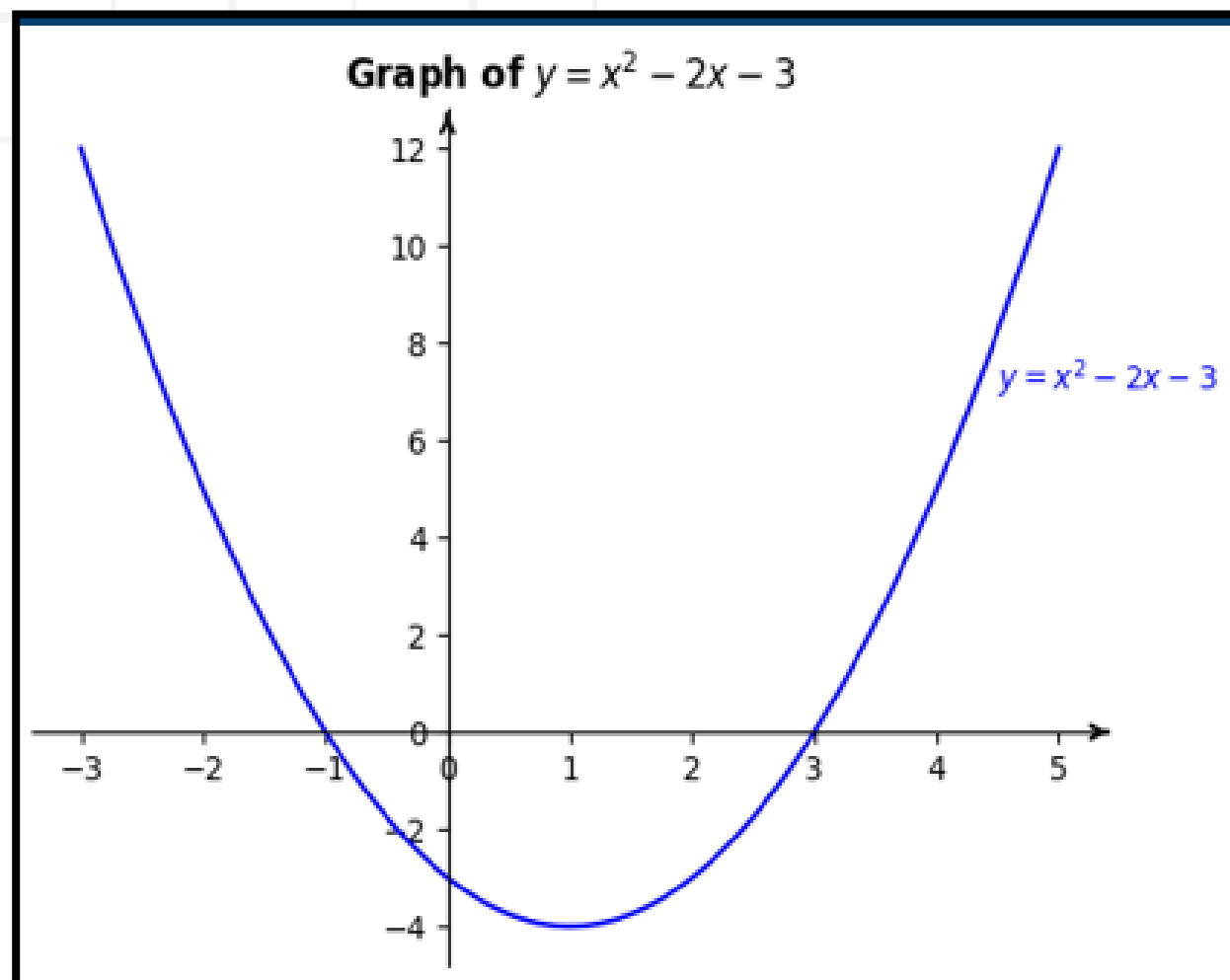


One to One Function

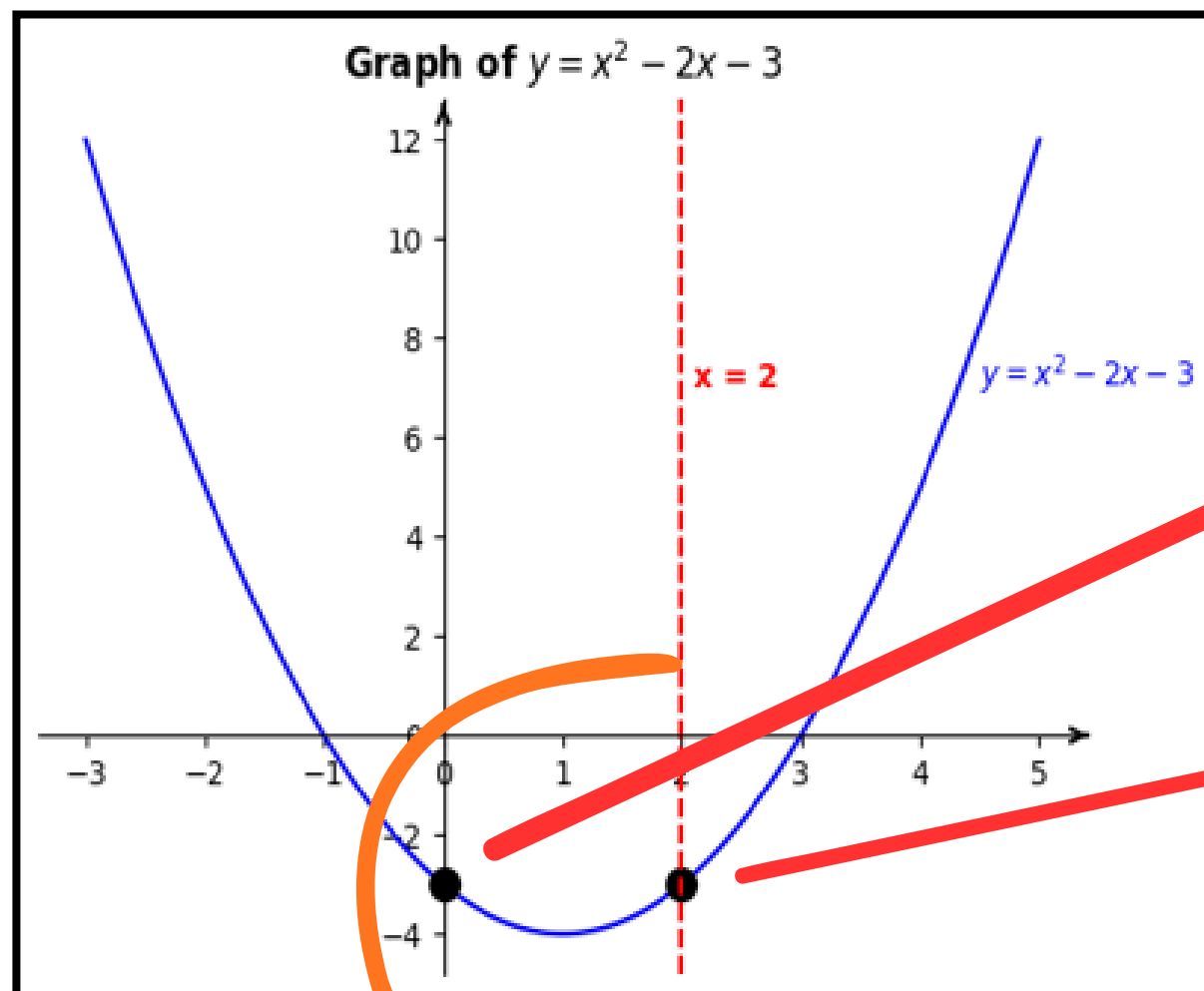


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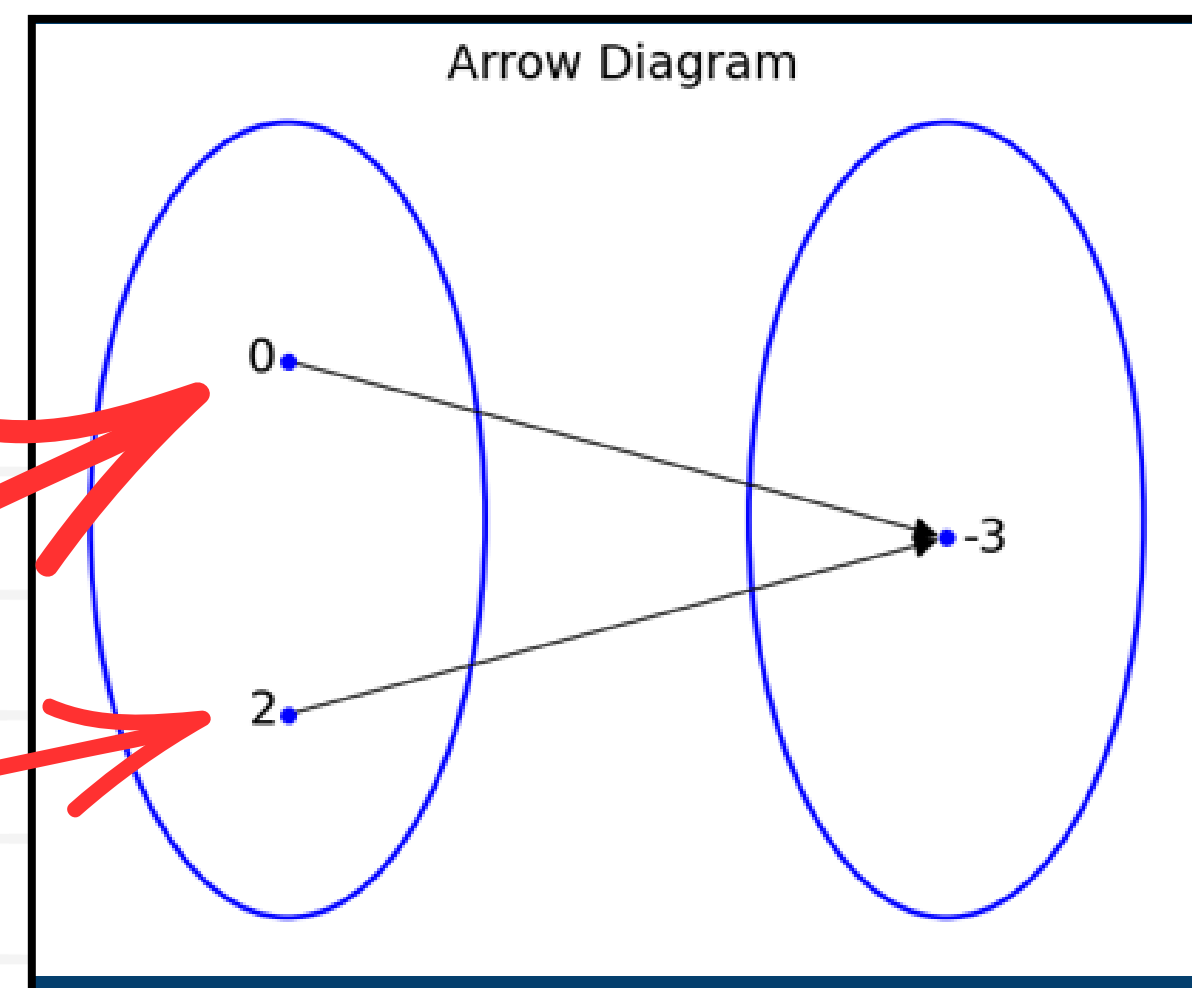
03 Quadratic Function (Vertical Parabola)



Graph of Quadratic Function



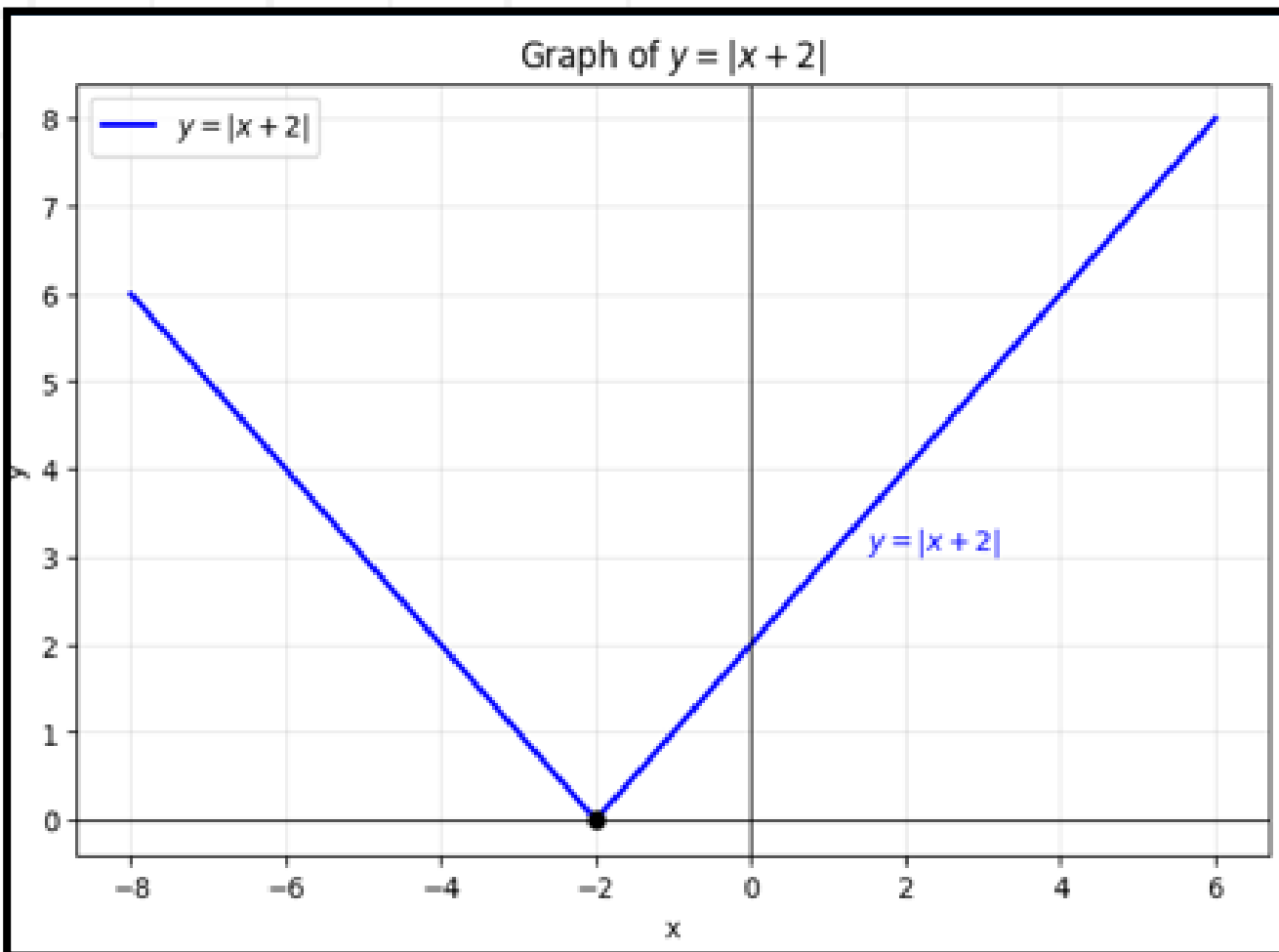
Vertical Line Test



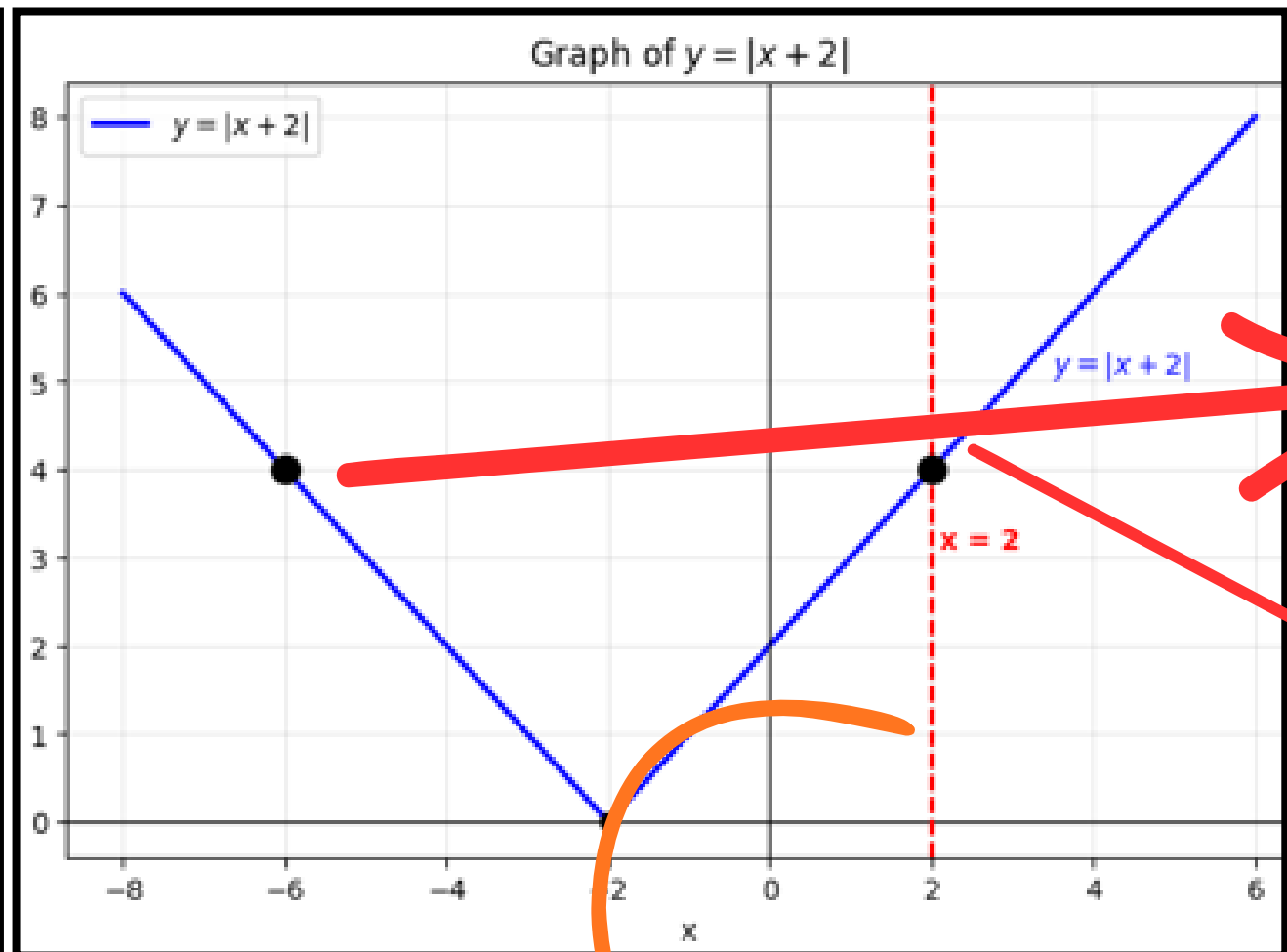
Many to One Function



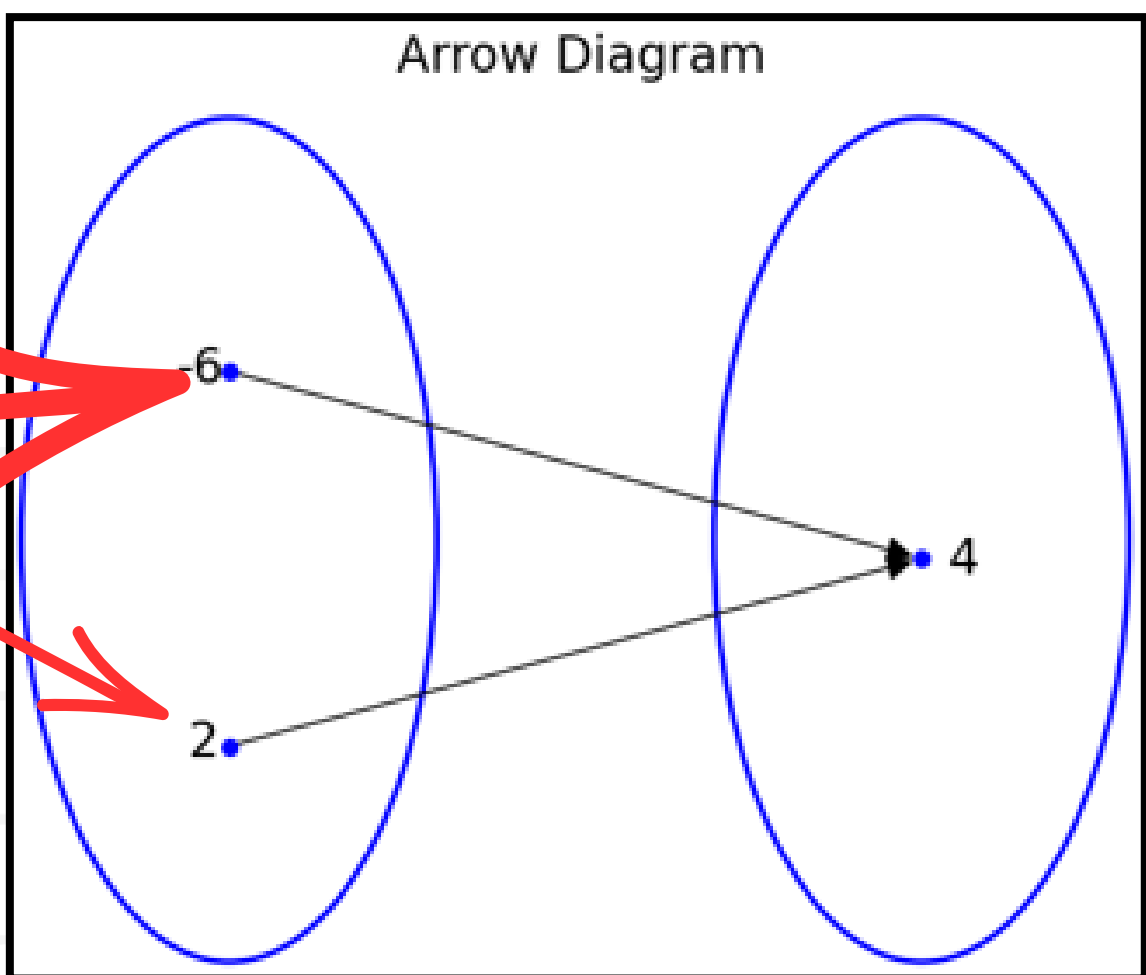
04 Modulus Function



Graph of Modulus Function



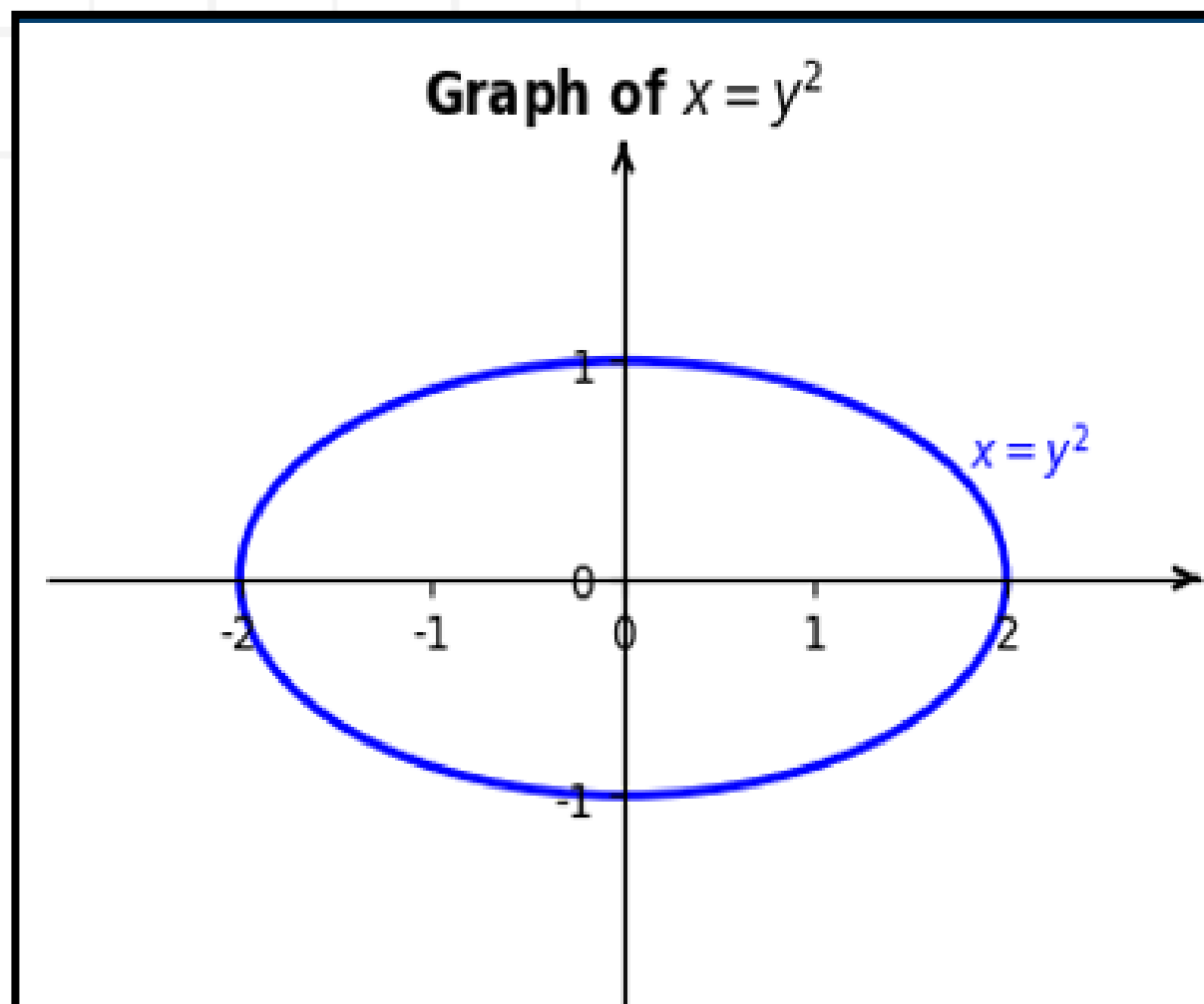
Vertical Line Test



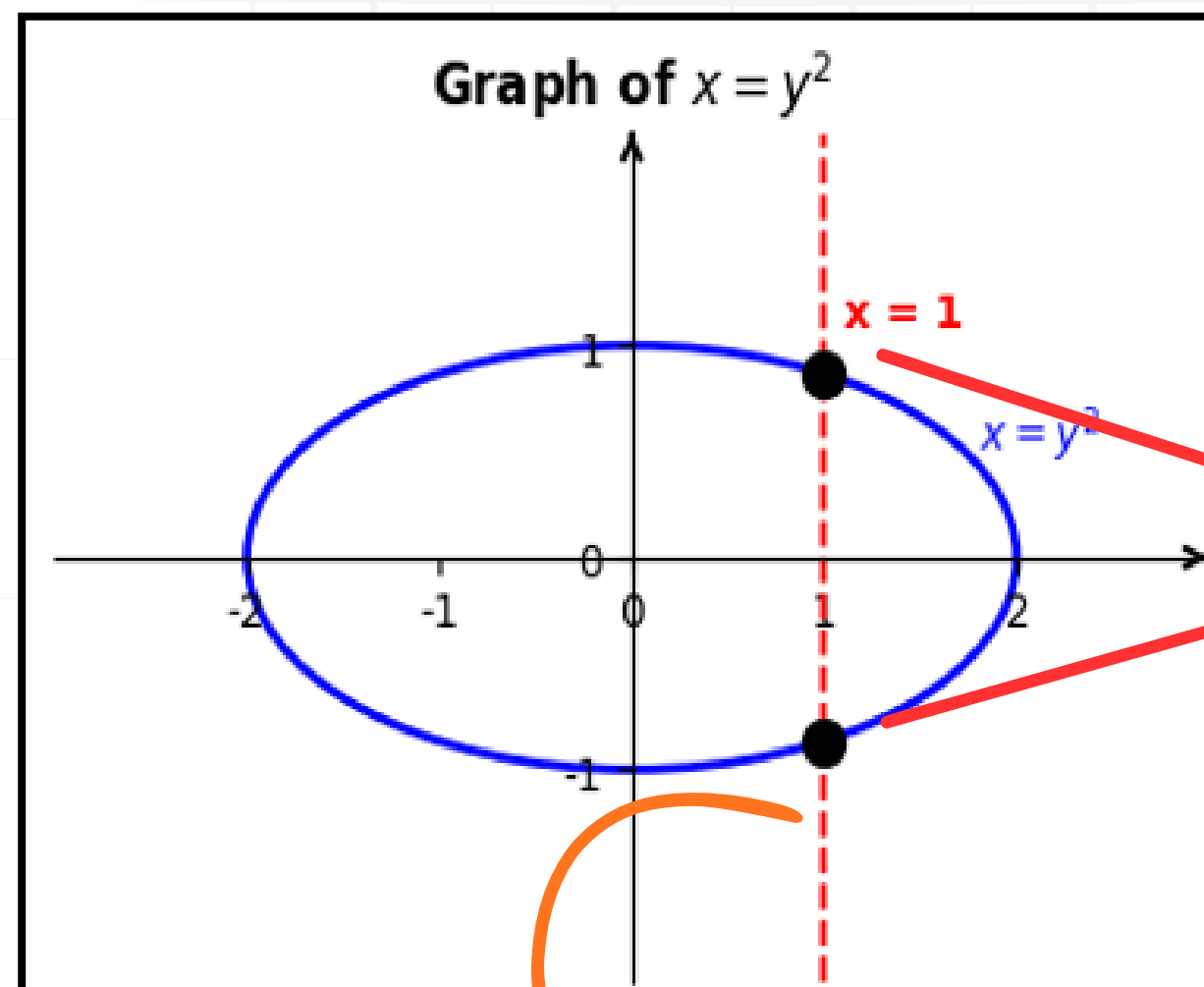
Many to One Function



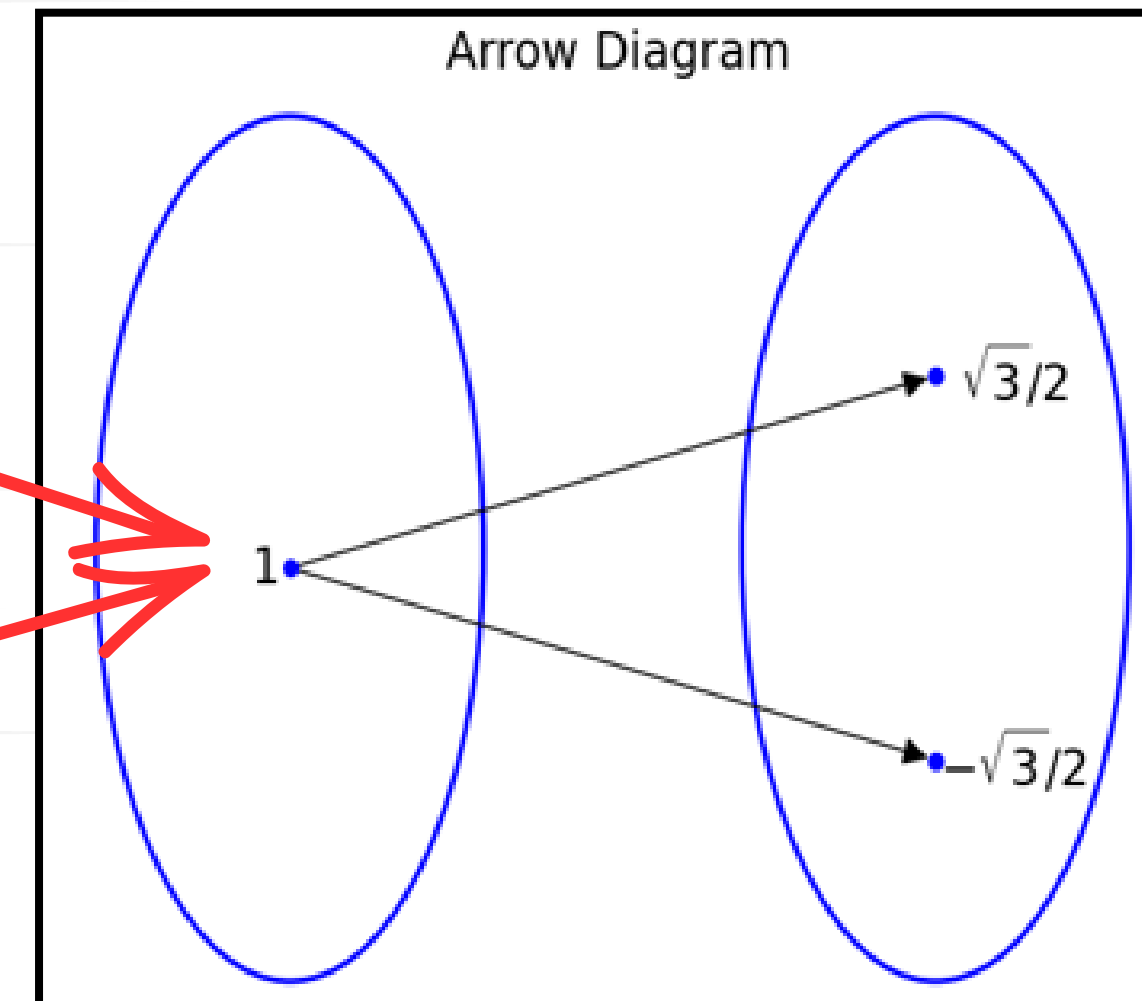
05 Ellipse



Graph of Ellipse



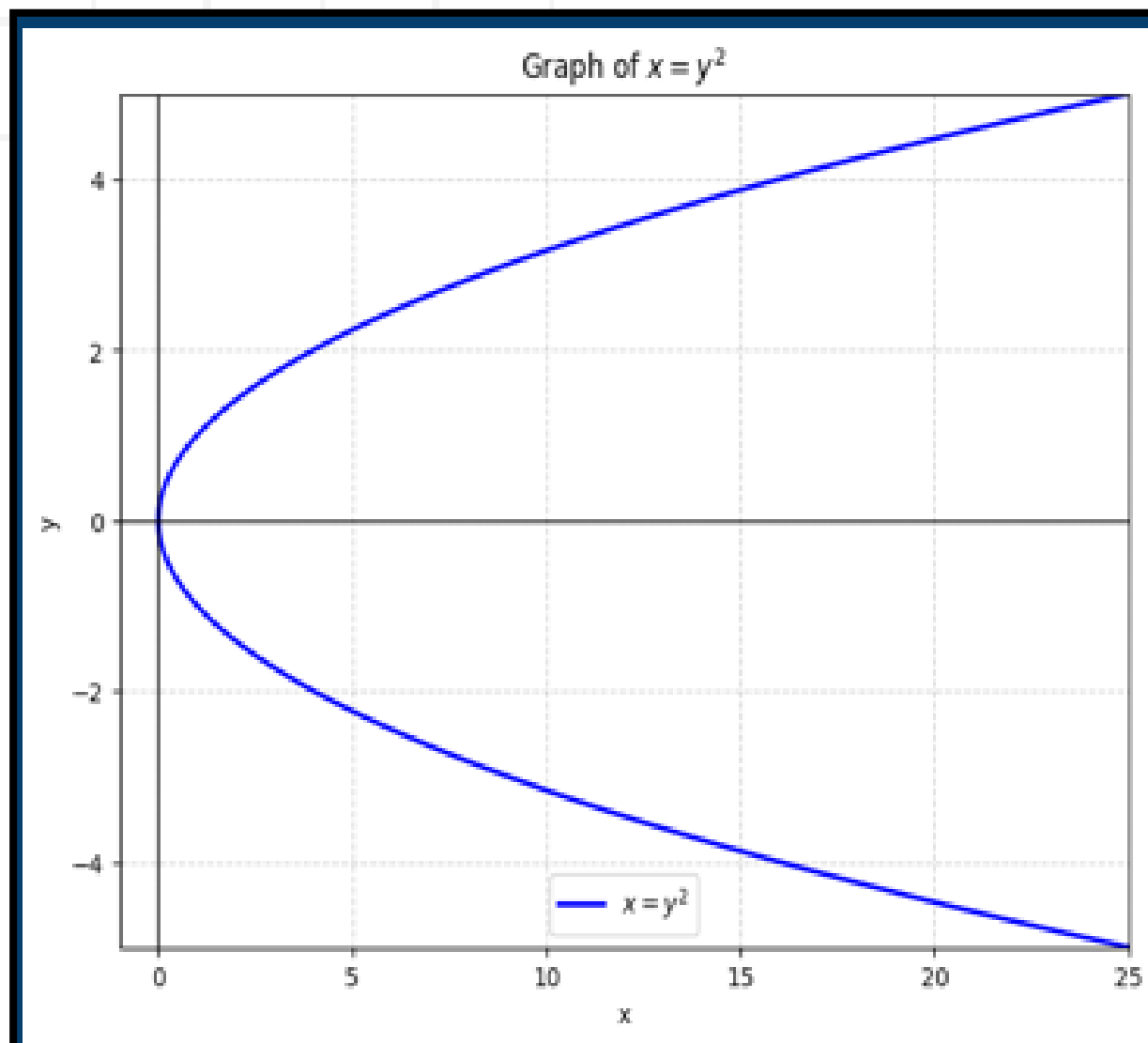
Vertical Line Test



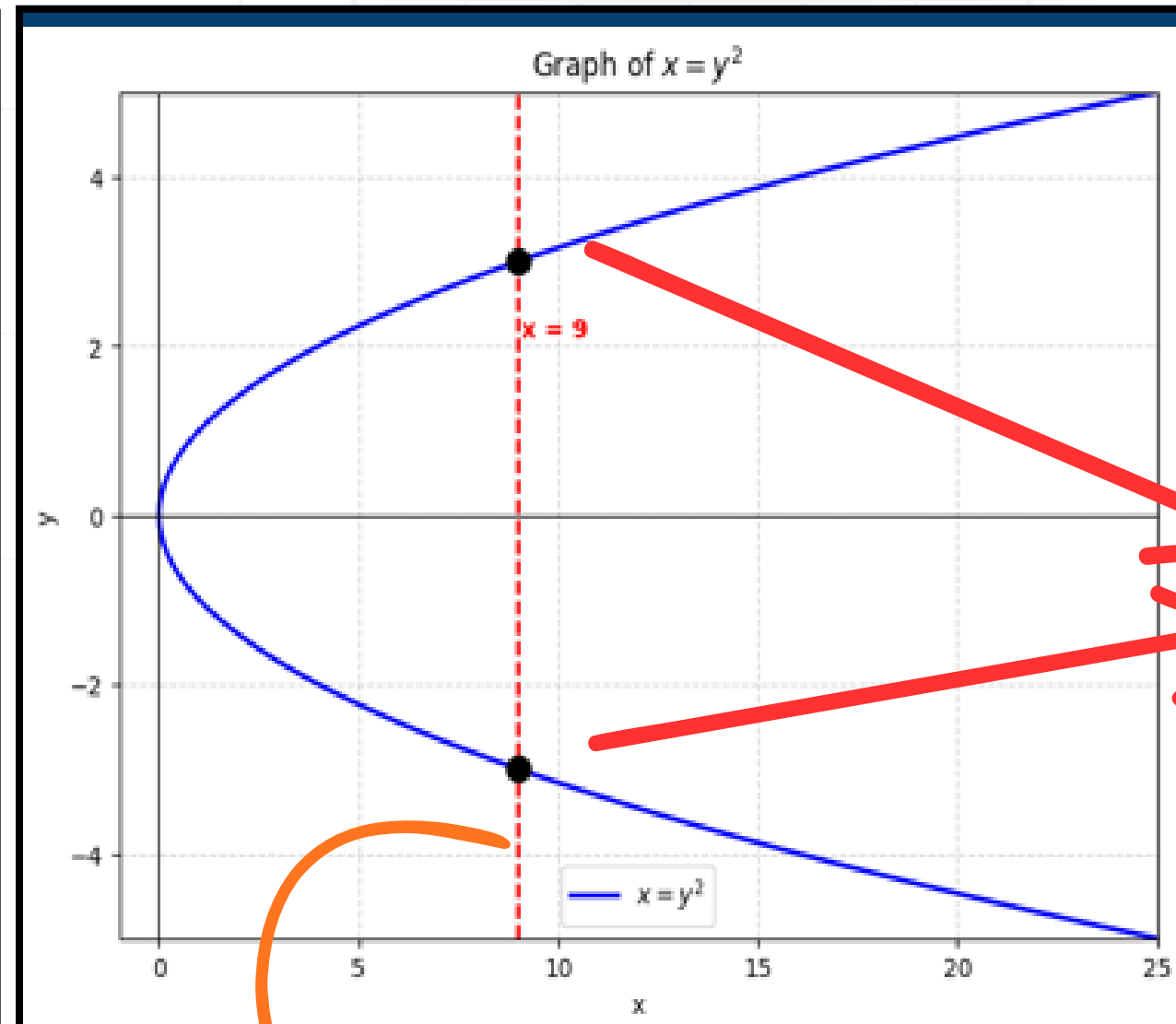
One to Many Relation
(Not a Function)



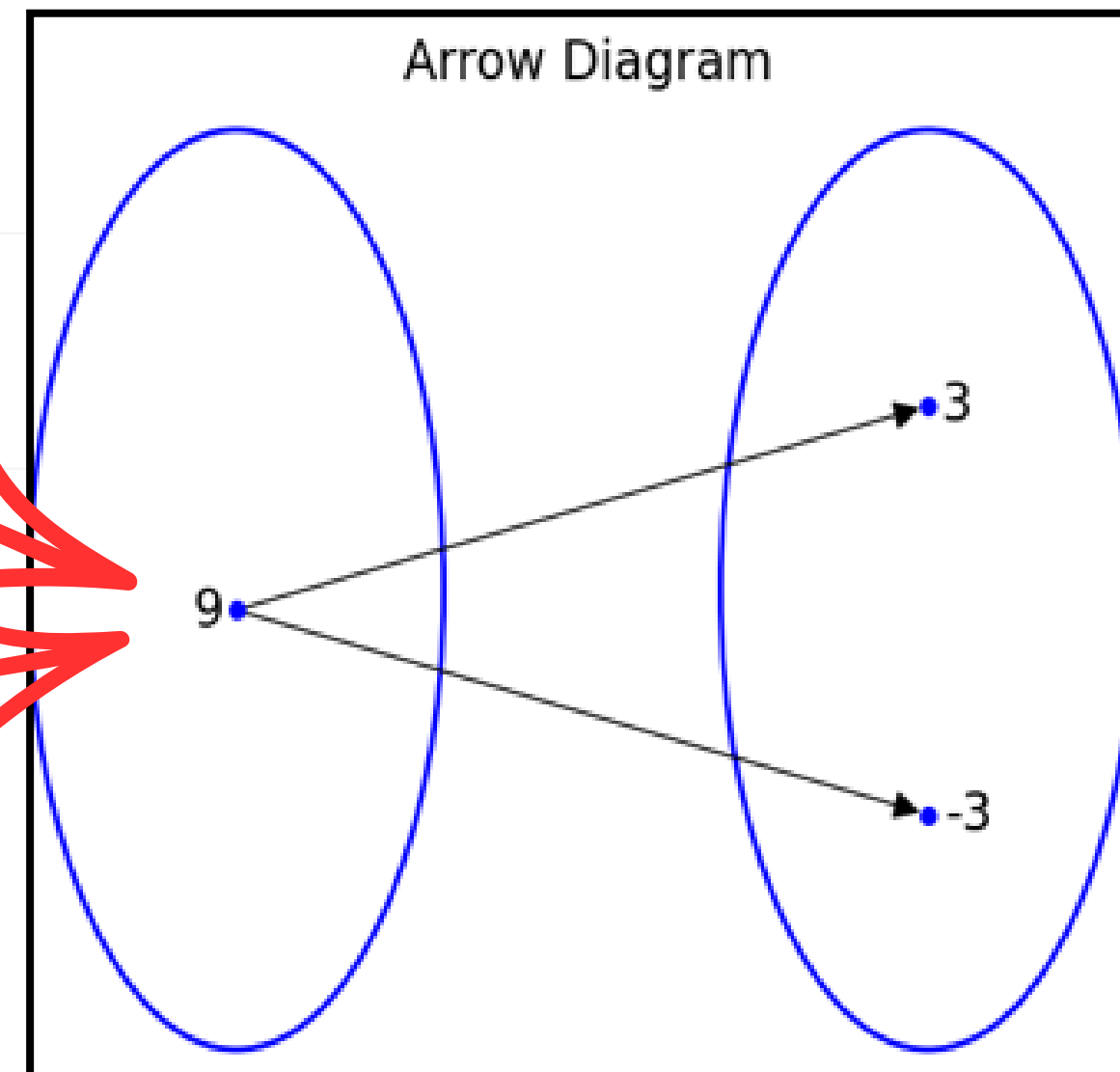
06 Horizontal Parabola



Graph of Horizontal Parabola



Vertical Line Test



One to Many Function
(Not a Function)



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Thank You

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