

third variable called a parameter.

Answer: parametric equations

11. Given x and y , how to parameterize?

Answer: Table: $|t| \quad |x| \quad |y|$ Plug in x, y to graph

12. An object moving along a line through the point (x_0, y_0) , with $dx/dt = a$ and $dy/dt = b$, has parametric equations

Answer: $x = x_0 + at$,

$y = y_0 + bt$

13. Horizontal Asymptote for exponential functions?

Answer: $y = k$ (if $y = e^x + k$)

14. If the function is not continuous, does the limit exist?

Answer: The limit exists if there is removable discontinuity

15. What happens if you half Δt while calculating integral

Answer: The difference between upper and lower estimate gets halved; more accurate prediction since velocity is measured more frequently

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