Differences between x,t-graph and v,t-graph

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|  | Distance, time graph | Velocity, time graph |
| What does it look like |  |  |
| Meaning of the lines |  |  |
| What information can I get and how to calculate it | * Reading the x-axis gives info about time * Reading the y-axis gives info about the distance * **v** : calculation of x divided over t gives you v in m/s. | * Reading the x-axis gives info about time * Reading the y-axis gives info about the velocity * **a**: calculation of Δv divided over Δt gives you a in m/s2 * **x**: Calculation of the area underneath the line gives you x in m.   Rectangle: Δv Δt = x (m)  Triangle: ½ Δv Δt = x (m) |