Graphs of Motion

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| **Graph Type** | **Constant Velocity**(Positive Direction, initial position at the origin) | **Constant Velocity**(Negative Direction, initial position at the origin) | **Constant Acceleration**(Speeding up in the positive direction, initial position at the origin, initial velocity is zero) | **Constant Acceleration**(Speeding up in the negative direction, initial position at the origin, initial velocity is zero) | **Constant Acceleration**(Moving Right but slowing down, an initial positive velocity, initial position at the origin) | **Constant Acceleration**(Moving Left but slowing down, an initial negative velocity, initial position at the origin) |
| Position vs. Time |  |   |  |  |  |  |
| Velocity vs. Time |  |  |  |  |  |  |
| Acceleration vs. Time |  |  |  |  |  |  |