Kinematic Equations for Motion with Constant Acceleration 
$$v = v_o + at$$

$$x = \frac{1}{2} (v_o + v)t$$

$$v^2 = v_o^2 + 2ax$$

$$x = v_o t + \frac{1}{2} at^2$$

| X            | a                    | t      | Vo =Vi           | V = Vf         |
|--------------|----------------------|--------|------------------|----------------|
| Displacement | acceleration         | time   | initial velocity | Final velocity |
| (km, m)      | ( m/s <sup>2</sup> ) | (s, h) | (m/s, km/h)      | (m/s , km/h)   |
|              |                      |        |                  |                |

We need to know at least 3 values.