

Equation 1: $\vec{d} = \frac{\vec{v}_1 + \vec{v}_2}{2}t$

Equation 2: $\vec{v}_2 = \vec{v}_1 + \vec{a}t$

Equation 3: $\vec{d} = \vec{v}_1t + \frac{1}{2}\vec{a}t^2$

Equation 4: $\vec{d} = \vec{v}_2t - \frac{1}{2}\vec{a}t^2$

Equation 5: $\vec{v}_2^2 = \vec{v}_1^2 + 2\vec{a}\vec{d}$