**Distance of accelerating objects I**

1. **If an object had an acceleration of 15.56 m/s 2, an Vi of 3.5 m/s, a final velocity of 25.67 m/s in a time of 32.3 s, how far (m) did the object fall?**
2. **If an object traveled a distance of 100 m in a time of 9.9 s, an Vi of 0 m/s, a Vf of 3.54 m/s, what is the object’s acceleration?**
3. **If an object had an acceleration of – 25.69 m/s2 (slowing down), a final velocity of 150 m/s is a time of 450 s, what is the Initial velocity (Vi)?**