The Rey to this problem is setting d super = d student # t super = t student d = Vot + \frac{1}{2}at^2 = V_{osu} t_{su} + \frac{1}{2}at_{su}^2 = V_{ost} t_{st} + \frac{1}{2}at_{st}^2 \tag{tsuper+5}s = t_{student} \text{tsuper+5}s = t_{student} \text{Vosu} = \frac{1}{2}a(t_{st}^2 - t_{su}^2) \text{d} = \frac{1}{2}at_{st}^2 = \frac{1}{2}at_{st