



$$\Delta t = \frac{30 - 0}{6} = 5 \text{ s} = \frac{5}{3600} \text{ h} = \frac{1}{720} \text{ h}$$

$$M_6 = \frac{1}{720} (v(2.5) + v(7.5) + v(12.5) + v(17.5) + v(22.5) + v(27.5))$$

$$\approx \frac{1}{720} (30 + 66 + 88 + 103 + 113.75 + 119.25) = \frac{1}{720} (529.75)$$

$$\approx 0.735 \text{ km}$$