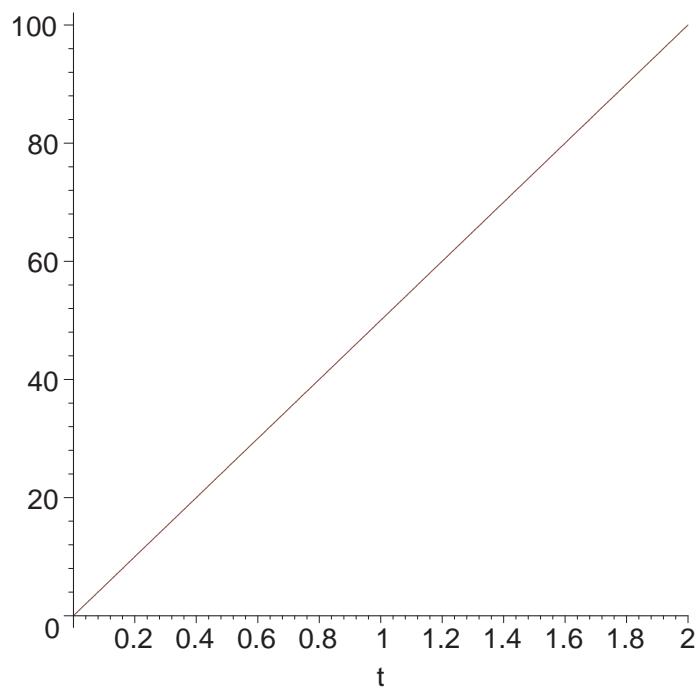


- (a) Let $d =$ distance traveled (in miles) and $t =$ time elapsed (in hours).
At $t = 0$, $d = 0$ and at $t = 48$ minutes $= 48 \cdot \frac{1}{60}$
 $= \frac{4}{5}$ h, $d = 40$. Thus we have two points: $(0, 0)$ and $(\frac{4}{5}, 40)$ so $m =$
 $\frac{40 - 0}{\frac{4}{5} - 0} = 50$ and so $d = 50t$.

(b)



- (c) The slope is 50. The slope represents the car's speed in mi/ h.