

Pre Lab #2

$$\{X_1, t_1\} = \{20, 20\}$$

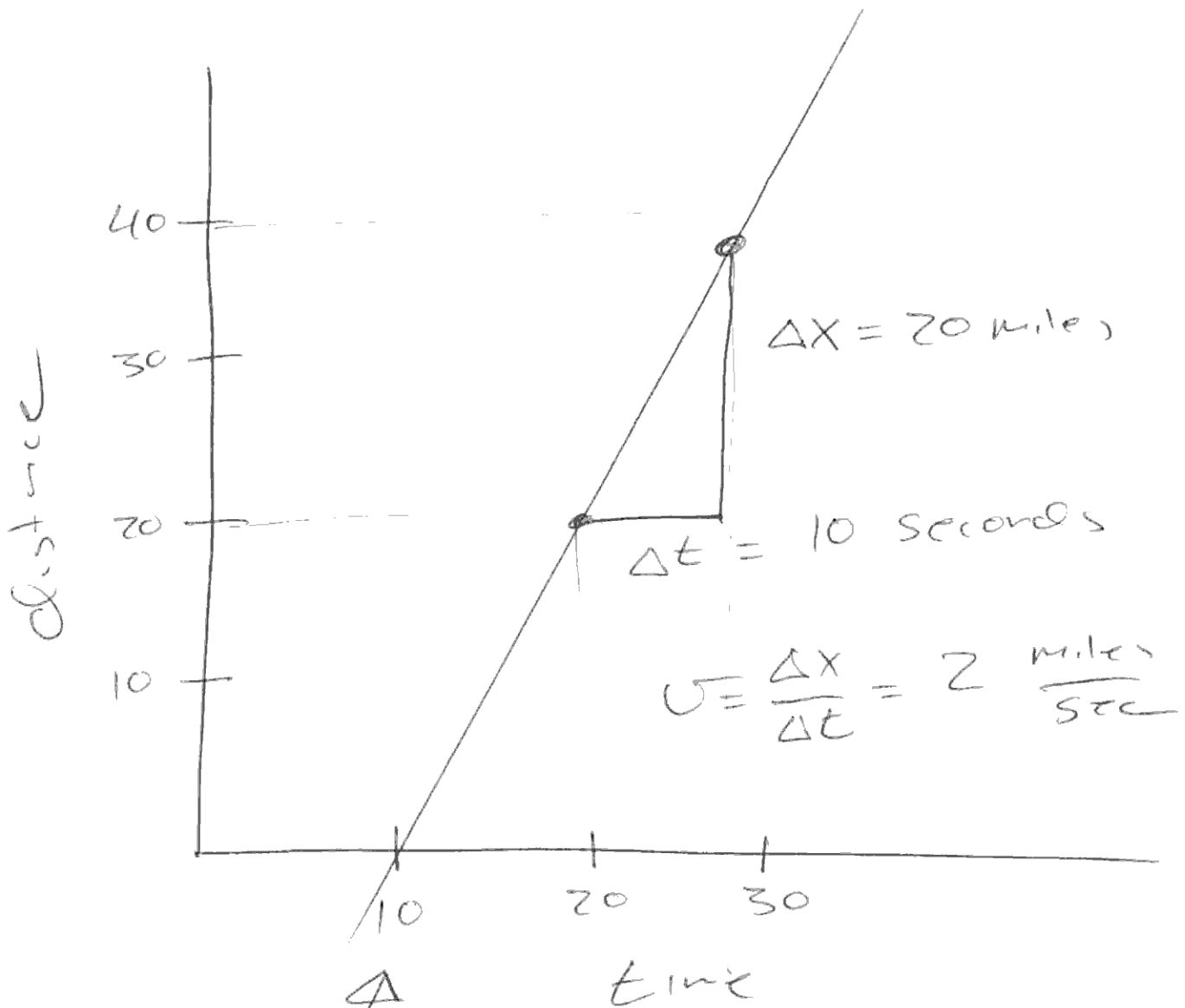
$$\{X_2, t_2\} = \{40, 30\}$$

$$v = \frac{\Delta X}{\Delta t} = \frac{40-20}{30-20} = 2 \frac{\text{miles}}{\text{sec}}$$

IF $v = 2$ and $X = vt \Rightarrow t = \frac{X}{v} = \frac{20}{2} = 10 \text{ sec}$

∴ Travel time = 10 sec And

reaction Time = 10 sec $\Rightarrow 10 + 10 = 20$



Intercept : Reaction time