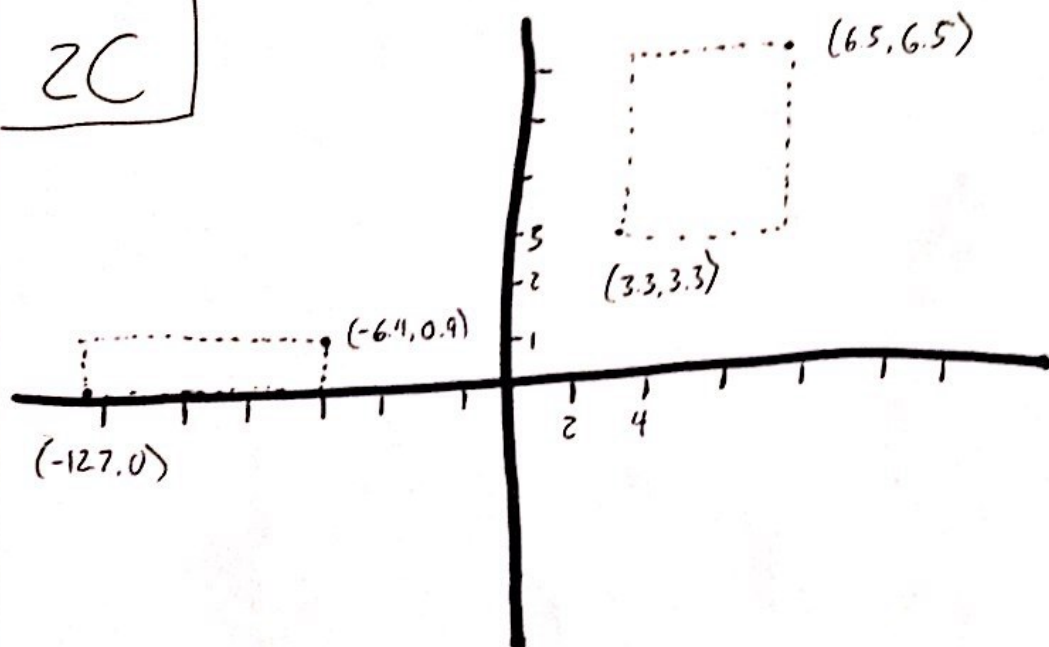
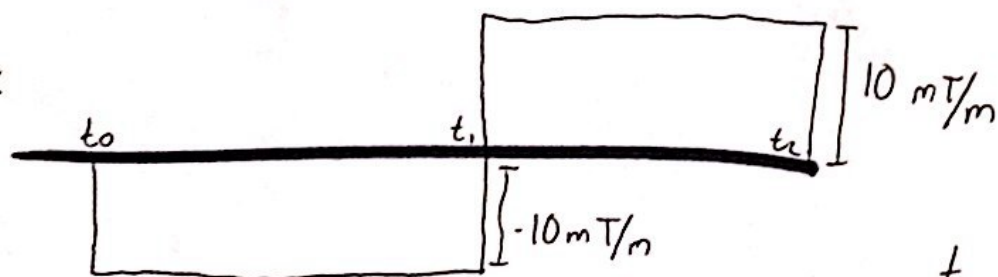


2C



3

G_x



$$t_0 = 0$$

$$t_1 = 0.001 \text{ s} = 1 \text{ ms}$$

$$t_2 = 0.003 \text{ s} = 3 \text{ ms}$$

G_y



$$\frac{\gamma}{2\pi} \cdot G \cdot t = \text{displacement} \Rightarrow t = \frac{\text{displacement}}{\frac{\gamma}{2\pi} G}$$

$$t = \frac{(4.257 \text{ cm}^{-1})}{(42.57 \times 10^4 \text{ Hz/mT}) (10 \text{ mT/m}) \left(\frac{1 \text{ m}}{100 \text{ cm}}\right)} = 1 \text{ ms}$$