

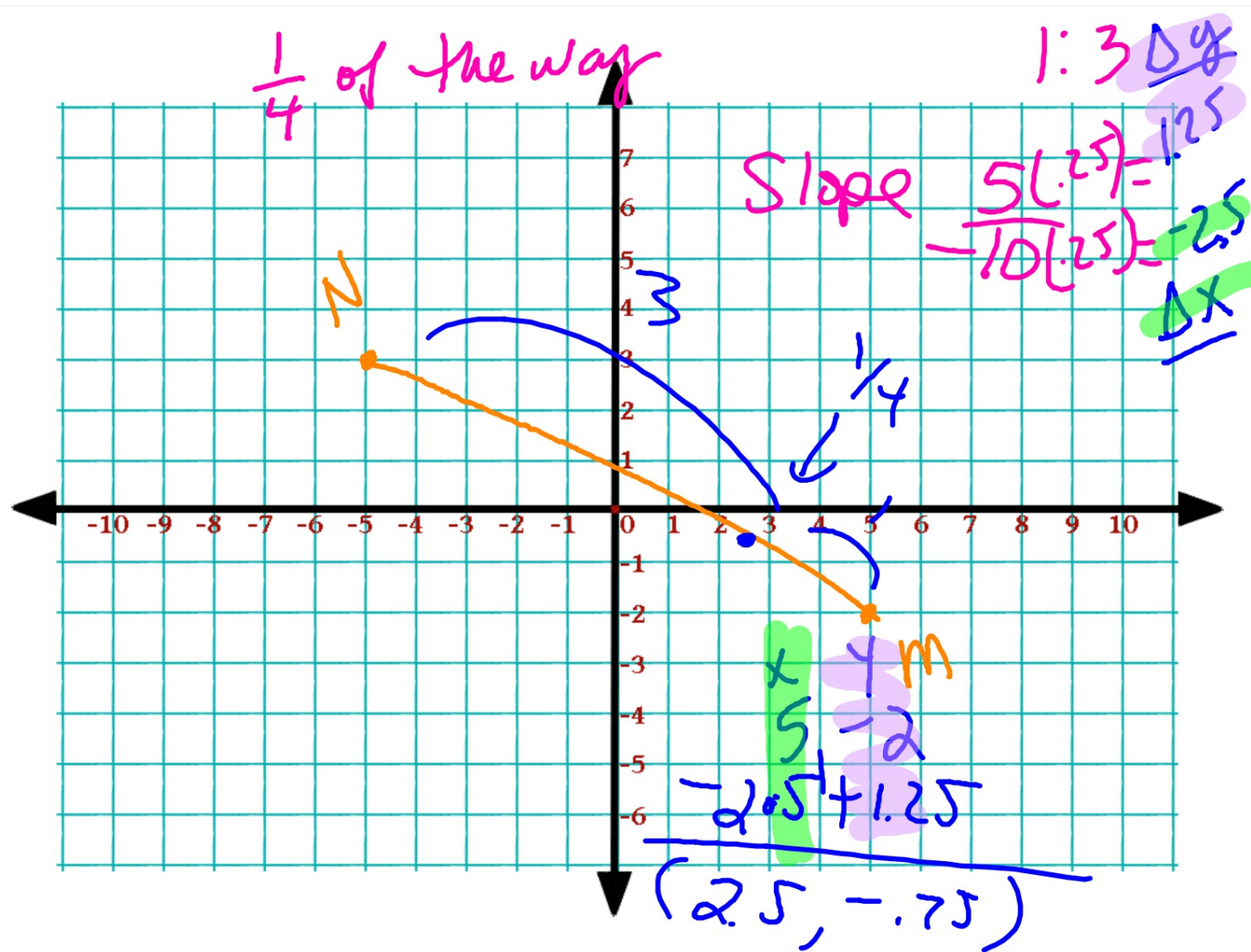
$\frac{1}{4}$ of the way

1:3 Δy

Slope

$$\frac{5(.25) = 1.25}{-10(.25) = -2.5}$$

Δx



2/5 of the way

Slope R to S

$$\frac{\Delta y}{\Delta x} = 4 \times \frac{2}{5} = 1.6 \quad \frac{\Delta y}{\Delta x}$$

$$\frac{\Delta y}{\Delta x} = 8 \times \frac{2}{5} = 3.2 \quad \Delta x$$

2:3

