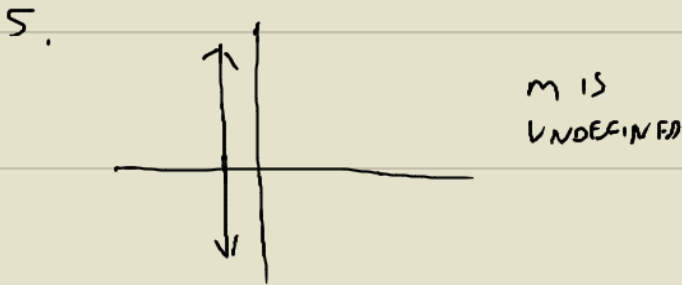


3. $(\underbrace{-2}_{x_1}, \underbrace{-4}_{y_1})$ $(\underbrace{6}_{x_2}, \underbrace{10}_{y_2})$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{10 - (-4)}{6 - (-2)} = \frac{14}{8} = \frac{7}{2}$$

4. $(\underbrace{\frac{1}{2}}_{x_1}, \underbrace{-\frac{1}{3}}_{y_1})$ $(\underbrace{\frac{5}{2}}_{x_2}, \underbrace{-\frac{2}{3}}_{y_2})$

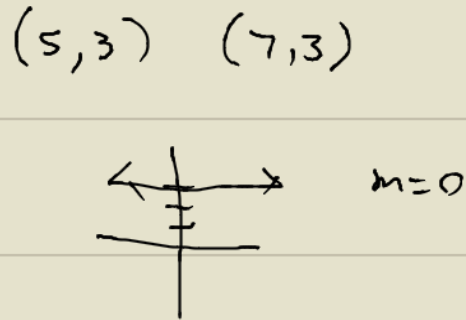
$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-\frac{2}{3} - (-\frac{1}{3})}{\frac{5}{2} - (\frac{1}{2})} = \frac{-\frac{2}{3} + \frac{1}{3}}{\frac{5}{2} - \frac{1}{2}} = \frac{-\frac{1}{3}}{\frac{4}{2}} = \frac{-\frac{1}{3}}{2} = -\frac{1}{6}$$



6. $(\underbrace{-4}_{x_1}, \underbrace{2}_{y_1})$ $(\underbrace{-4}_{x_2}, \underbrace{5}_{y_2})$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{5 - 2}{-4 - (-4)} = \frac{3}{0}$$

UNDEFINED



7. $(-2, 4)$ $m=2$

$$m = \frac{\Delta y}{\Delta x}$$

$\Delta y \sim y$ UP Δ
 $\Delta x \sim x$ RIGHT



8.