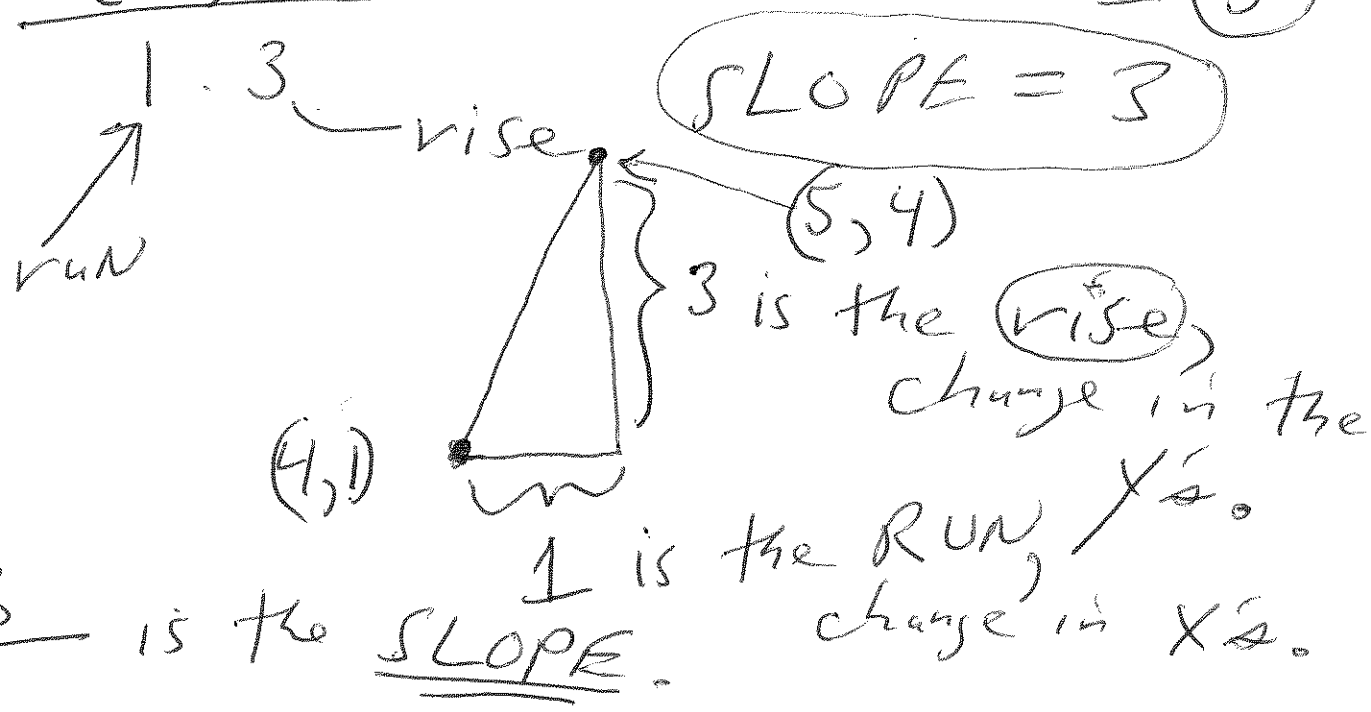
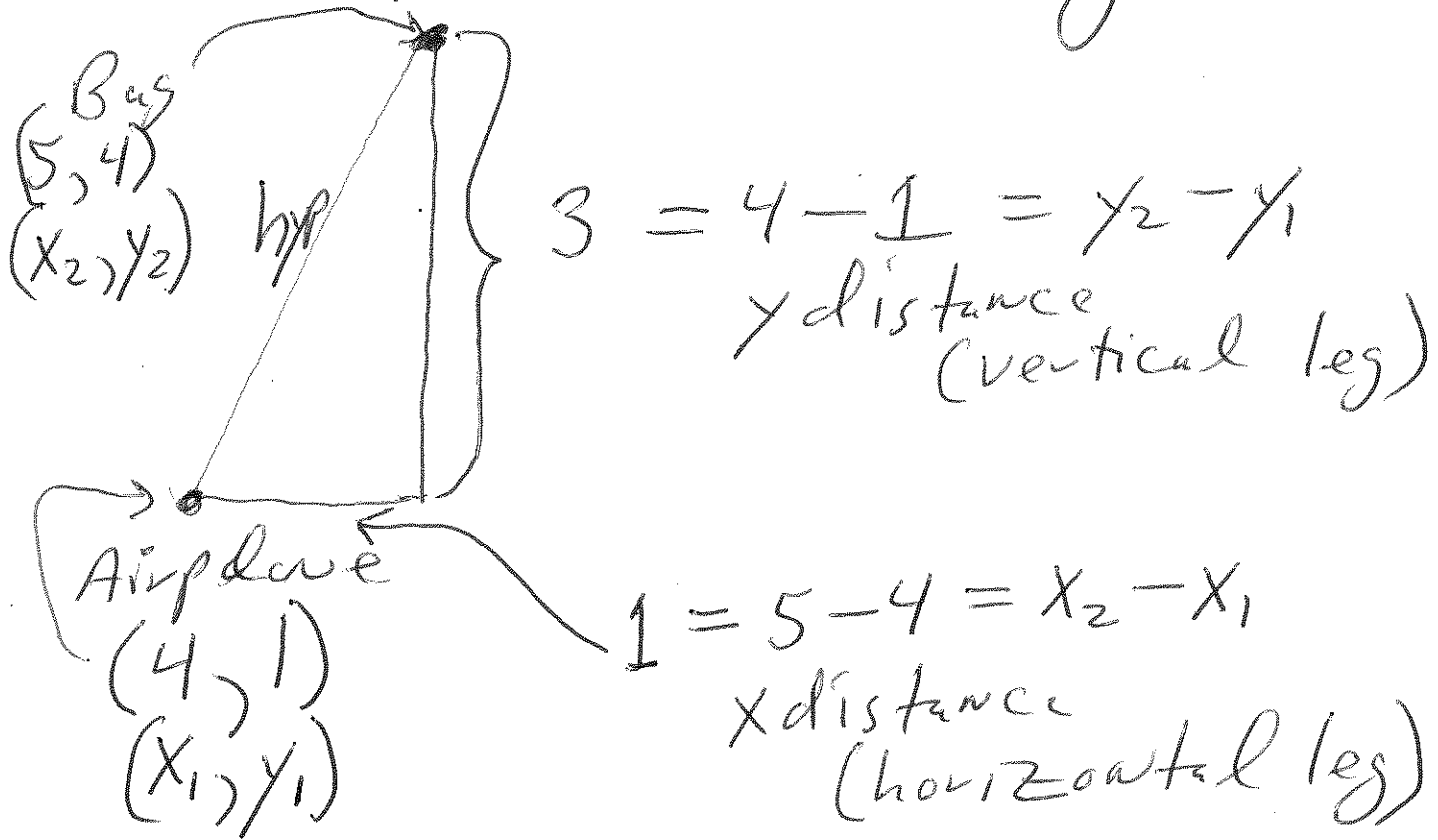


④ What is the slope of line that goes through (4, 1) and (5, 4)?

$$\frac{\begin{matrix} (5, 4) \\ (4, 1) \end{matrix}}{\quad} \cdot \frac{4-1}{5-4} = \frac{3}{1} = \frac{\text{rise}}{\text{run}} = \textcircled{3}$$



⑤ What is the distance from airplane to the bug?



$$1^2 + 3^2 = \text{hyp}^2$$

$$1 + 9 = \text{hyp}^2 = 10$$

$$\text{hyp} = \sqrt{10}$$

$$\text{hyp} = 3.162$$

distance from
airplane to
the bug