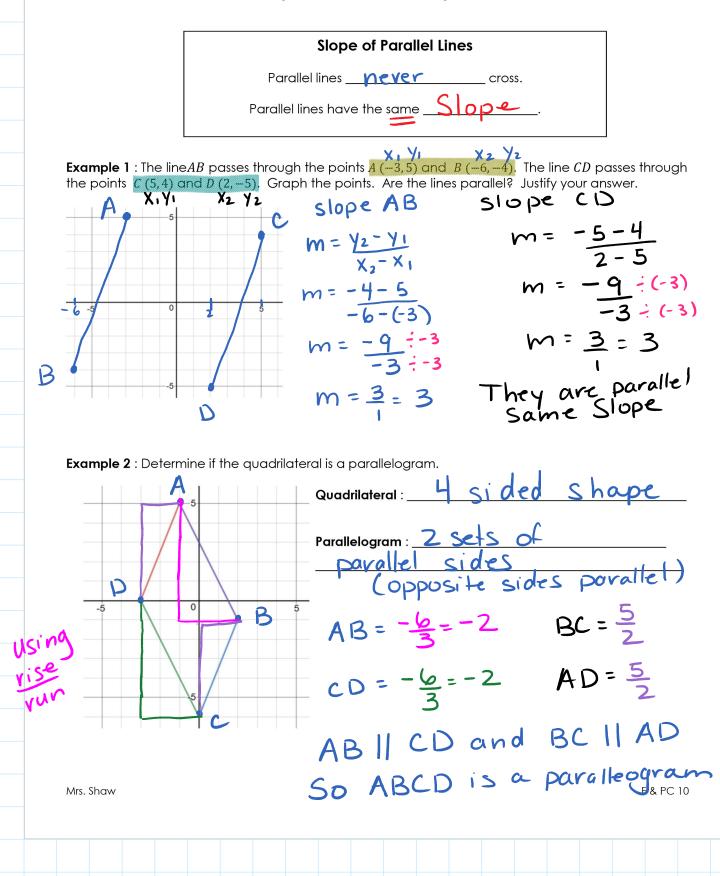
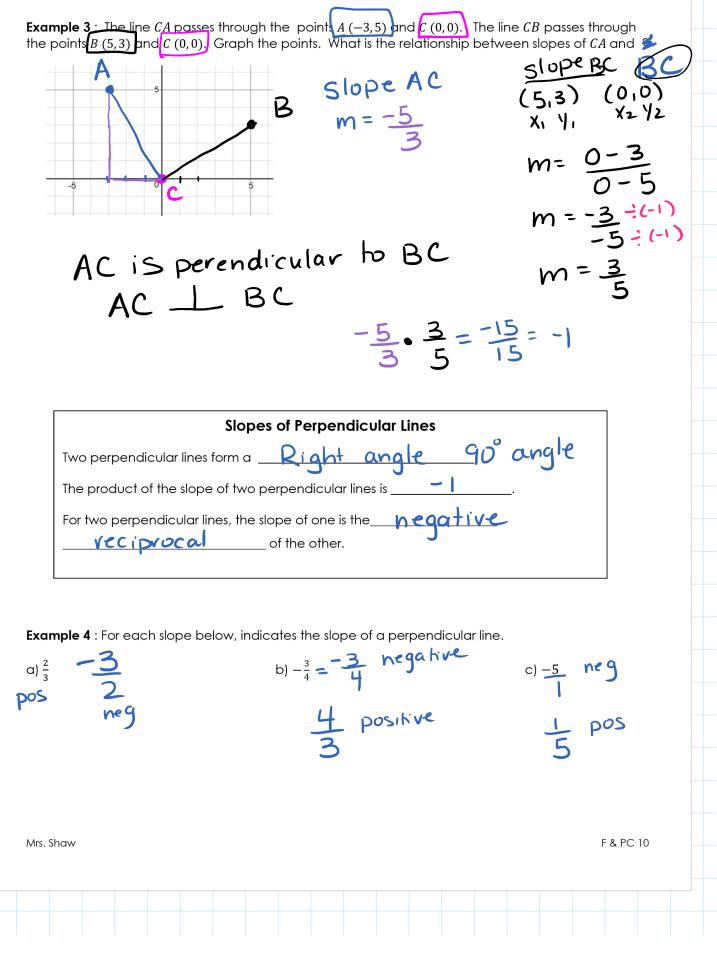
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## 5.2 Slopes of Parallel and Perpendicular Lines





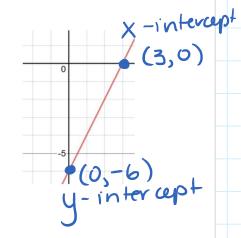
Unit 5 Lines Page 3

## Intercepts : X-Intercept and Y-Intercept

X-Intercept – The point where the graph crosses the horizontal axis. The x-intercept is the value of "x" when "y" equals zero. (X,O)

**Y-Intercept** – The point where the graph crosses the vertical axis. The y-intercept is the value of "y" when "x" equals zero.

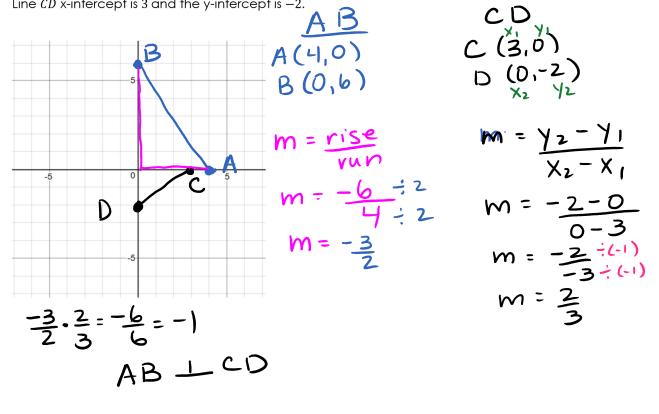
(0, y)



**Example 5**: What is the relationship between the lines (parallel, perpendicular, or neither)? Justify your answer.

Line AB x-intercept is 4 and the y-intercept is 6.

Line CD x-intercept is 3 and the y-intercept is -2.



Practice : p.348 #3 – 6, 8ab, 9cd, 10, 13

Mrs. Shaw

F & PC 10