* This is the assignment to be completed by Friday April 17.
* You can do the problems in the student journal or on blank paper. Send a photo of the completed work to the google classroom. If you don’t know how post to google classroom contact your teacher.
* I will post fully worked out solutions to certain problems at the beginning of next week so you can see how to solve each of the problems listed below. If you get stuck, look at these examples. I will provide full solutions at the end of next week so you can check your work.

**Formulas Needed For This Chapter**

Slope: $m=\left(\frac{y2-y1}{x2-x1}\right)$

Line, y intercept: $y=mx+b$ m = slope and b = point where line intersects with y axis

Line, point slope: $\left(y-y1\right)=m\left(x-x1\right)$ m=slope of the line and (x1, y1) is a point on the line; if you work this out completely it turns into y=mx+b

Remember perpendicular lines have slopes that are ***negative reciprocals*** of each other. A ***reciprocal*** is a number, when multiplied by the original number, equals one. Example: reciprocal of ¼ is 4. The slope of a perpendicular line to a line with a slope of m= ¼ is a line with slope of m= -4.

**Assignment – Part 1**

Using the Student Journal or by searching the internet, find and write the definitions to the vocabulary words on pages: 67, 73, and 78. Try to memorize these definitions.

**Assignment – Part 2**

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| Reference these Pages | Problem Page | Problem Numbers |
|  | 64 | 1, 3, 7, 9 |
| 68-69 | 70 | 1-4 and 9-12 |
| 73-74 | 74-75 | 1-5 |
| 78-79 | 80 | 1, 2 |
| 83-84 | 85 | 5, 6 |
| 88-89 | 90 | 1, 2, 6 |
|  | 94 - 95 | 2, 5 |