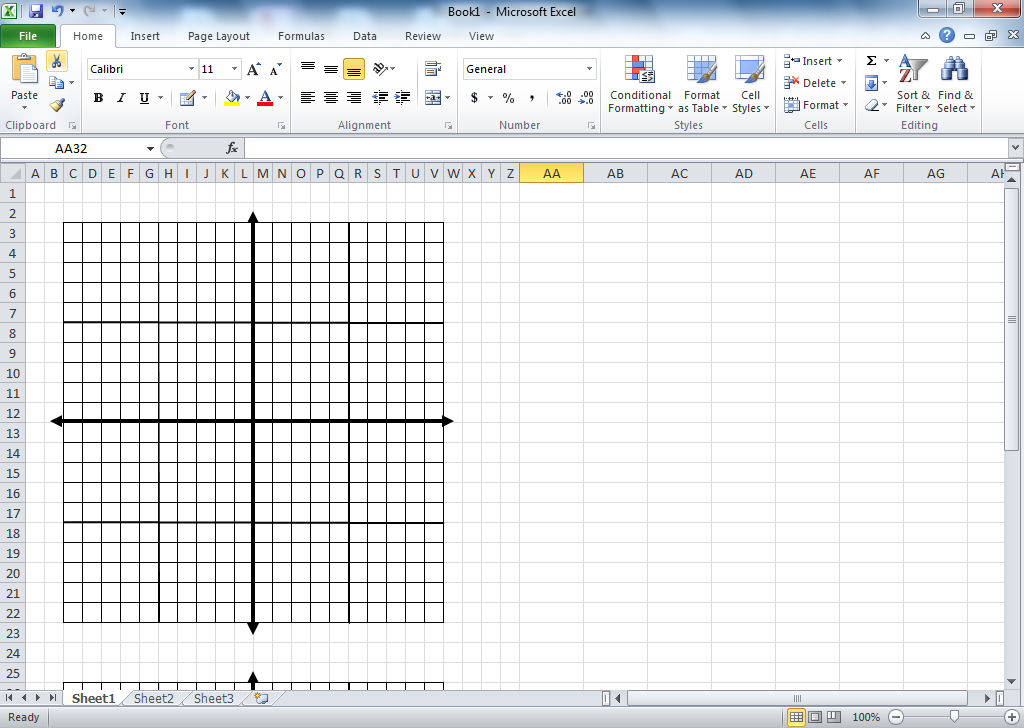
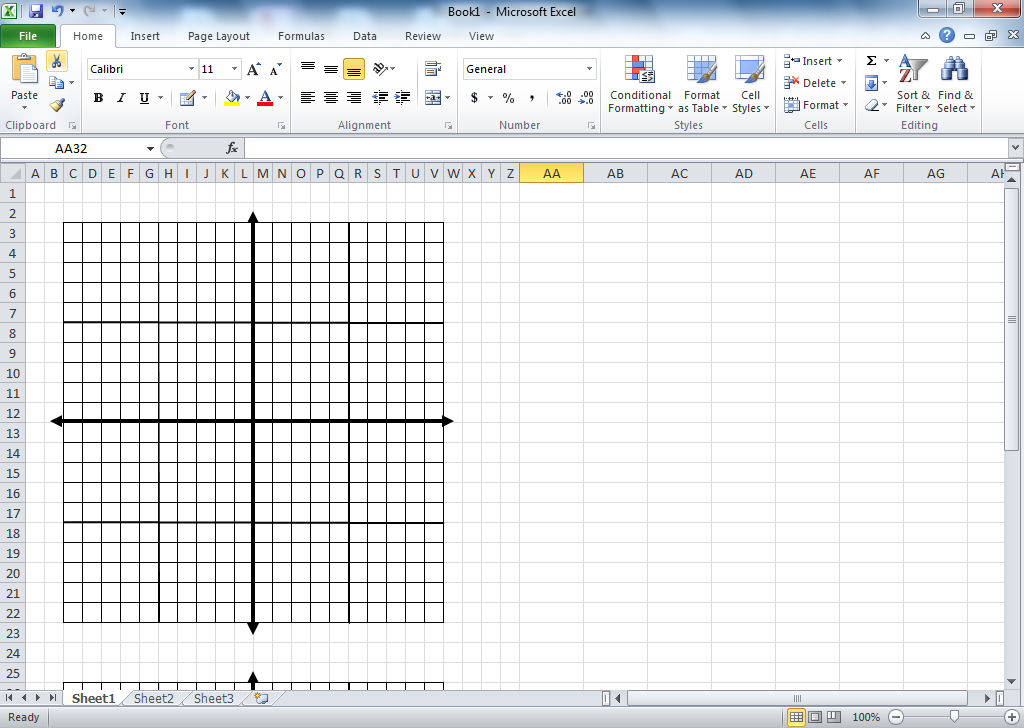
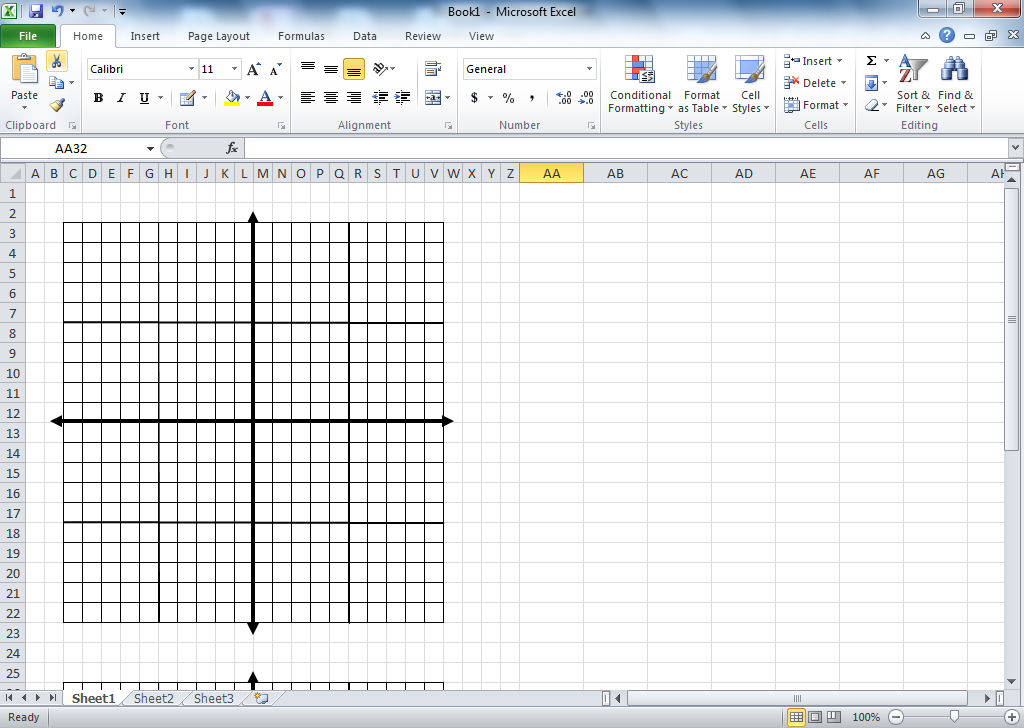
Unit 4 Review

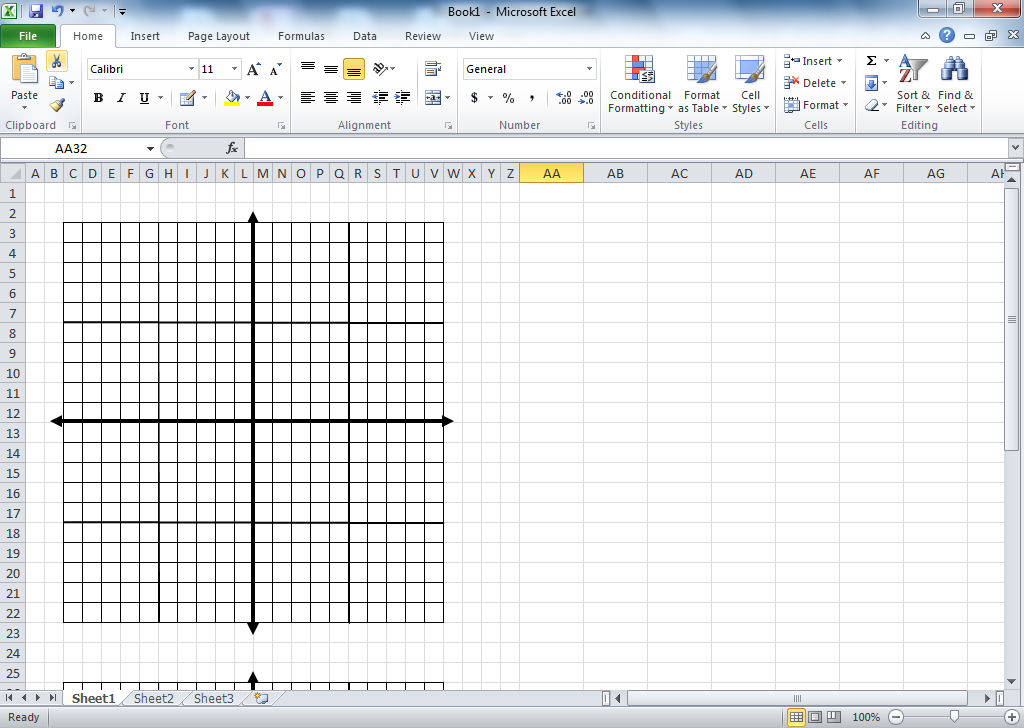
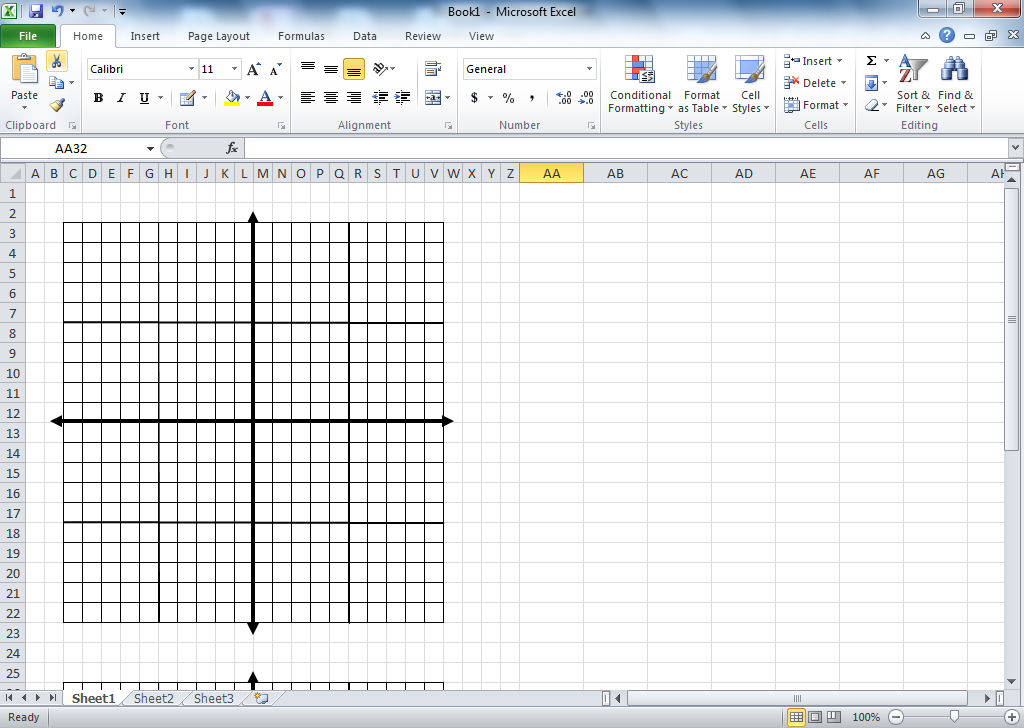
1. Give an example of each of the following:
   1. Positive Slope
   2. Negative Slope
   3. Zero Slope
   4. Undefined Slope
2. Which of the points lie on the line
   1. (2, 6)
   2. (-2, 0)
   3. (0, 4)
   4. (6, 16)
   5. (-4, -4)
   6. (5, 3)
3. Graph the following equations:
   1. 



1. Compare the two tables below in terms of rates of change.

|  |  |
| --- | --- |
| x | y |
| 2 | -6 |
| 4 | -9 |
| 6 | -12 |
| 8 | -15 |

|  |  |
| --- | --- |
| x | y |
| 1 | 4 |
| 2 | 6 |
| 3 | 8 |
| 4 | 10 |

1. Graph the following lines and compare the rates of change:
   1. .2
2. What is the average rate of change for the following coordinates?
   1. (2, 3) (4, 7) (9, 2)
3. A medical student is conducting a study to wresting boys’ weight from age 5 to age 18. The student graphs some data and determines the line is . What does the slope mean in this situation?
4. Compare the rates of change for the following equation and table:

|  |  |
| --- | --- |
| 2 | 3 |
| 5 | 7 |
| 6 | 10 |

1. Use the graph below to determine when someone would choose each of the different data plans.
2. Explain the difference between rate of change and average rate of change.