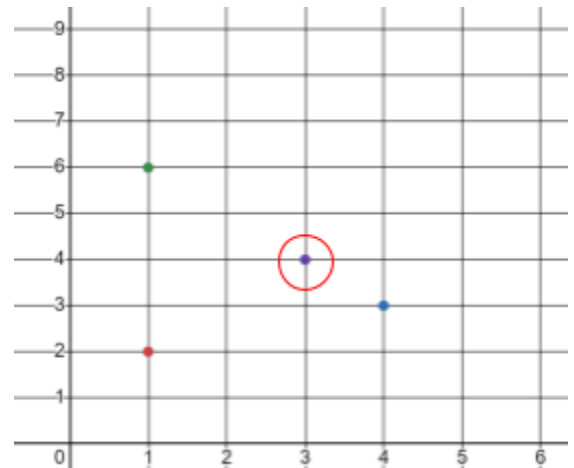


# Graphing Skills

## Pre-Assessment Answer Key

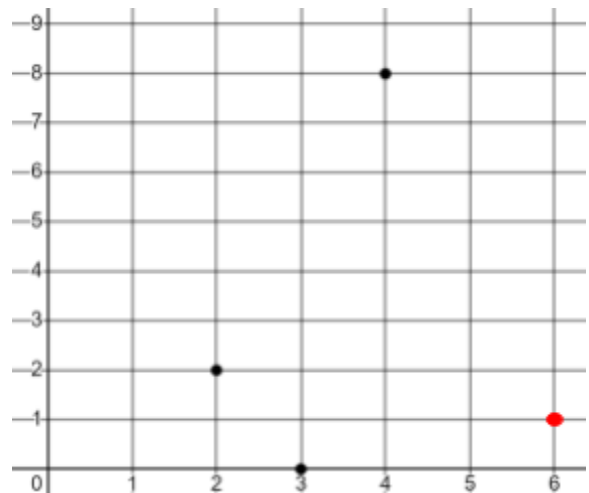
**Instructions:** Answer the following questions to the best of your ability.

1. Circle the point that is represented by the x, y coordinate pair (3,4)



2. Use the table to determine which x, y coordinate pair is not currently on the graph. Then, plot this point yourself.

| x | y |
|---|---|
| 3 | 0 |
| 4 | 8 |
| 2 | 2 |
| 6 | 1 |



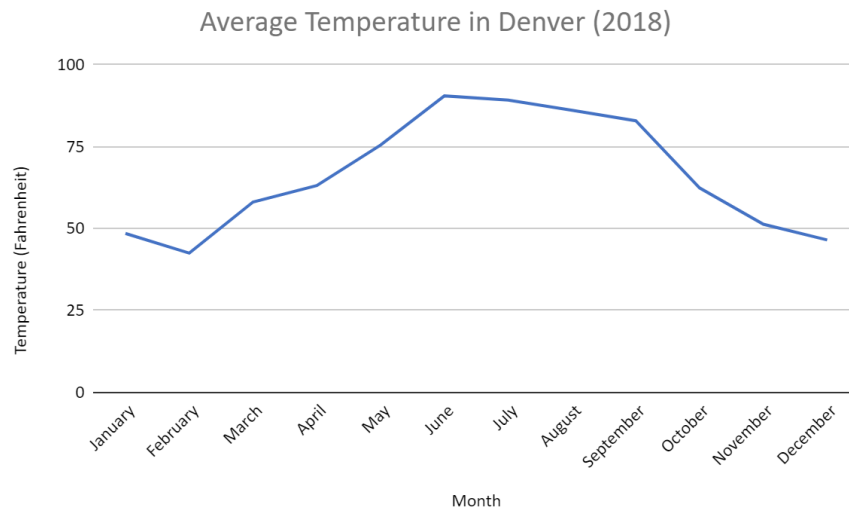
3. Review the following graph. Then, answer the listed questions.

| Year | Yearly Salary (USD) |
|------|---------------------|
| 2011 | 35000               |
| 2012 | 37850               |
| 2013 | 41050               |
| 2014 | 43000               |
| 2015 | 19000               |
| 2016 | 56040               |
| 2017 | 63000               |
| 2018 | 63500               |

a. Here is the data that created the graph. Students being close to any point is reasonable. It is appropriate to ask the student their method and thinking.

b. Student's interpretations can be widely varied. However, the response should include some mention that his income was reduced significantly.

4. Analyze the following graph. Then write at least two sentences explaining what information is being shown and what you notice about it.

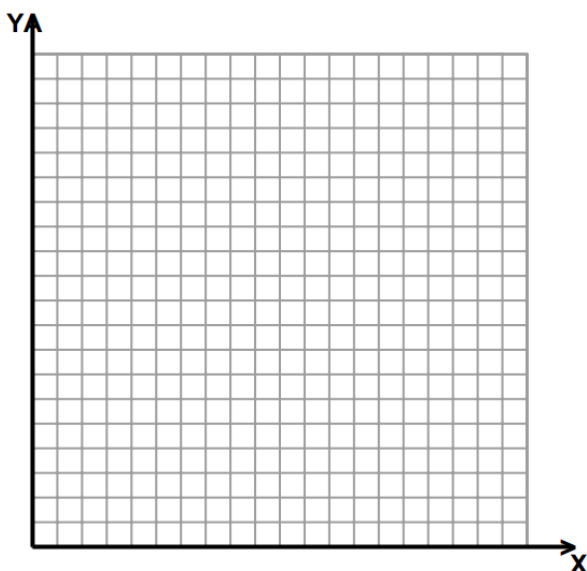


**Description:**

There is a large variety of student responses that would be appropriate. However, students should comment on what the graph is displaying generally. This would include mention of the labels on the graph, and discussing the trends. Sample student response:

*This graph shows the average temperature in Denver in the year 2018 per month. The average temperature increases from February until July and then declines until the end of the year.*

5. Create a graph which includes labels and a scale that shows your growth in some way over the course of your life. The growth can be in a particular study (such as English) or in any other thing you are interested in (sports, video games, cooking etc.). Then describe why you created the graph in the way you did.



**Description:**

Students can make any graph they choose. Criteria for success includes the following features:

- X-axis labeled
- Y-axis labeled
- A line, points or curve that seems reasonable for their topic.

For the description, students should indicate that the graph represents their experiences with justification. For example: the graph has a high point at (3,10) because I played piano the best when I was in 3rd grade.