Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Linear Equations Assignment**

1. When 150 is added to a number, the result is 51 more than 4 times the number. Find the number.
2. Emily and Chris are starting a business tutoring students in math (YAY!). They rent an office for $500 per month and charge $35 per hour per student.
   1. If they have 17 students each for one hour per week how much profit do they make together in a month? (assume 4 weeks per month).
   2. Draw a graph to represent their revenue (income).
3. In CI, we may miss many school days due to typhoons. A solution for how to make up those days was to add time to each school day for a portion of the year. It was decided that in order to make up an 8-hour school day, 15 minutes may be added to each day. How many extended days would be needed to make up 3 school days?