dependent variable.

a. number of touchdowns scored vs. total score
b. number of peoples needed vs. number of students

Plan for the Day: Collect signed tests

Finish notes from yesterday - ind. vs. dependent

Finish Monday's card sort & new card sort

Homework Week 5 is due tomorrow

Objective: We will be able to identify independent

and dependent variables and domain and range.

Today is National Comic Book Day!!

```
9. X = -1
|++|=2
```

Equations can also have independent and dependent variables.

For example, y = 2x + 1. The value of y depends upon what numbers are put in for the independent variable, x.

You can make a T-chart to determine the values.

Example: Determine the range of dependent values when given the domain values.

a. y = 3x + 8 if $D = \{-1, 4, 7\}$ $\begin{array}{r} x \mid 3x + 8 \\ 4 \mid 3 \cdot 4 + 8 \\ 3 \cdot 4 + 8 \end{array}$ b. y = -2x - 1 if $D = \{-5, 0, 5\}$ $\begin{array}{r} x \mid 3x + 8 \mid 20 \\ 3 \cdot 7 \mid 3 \cdot 7 + 8 \mid 20 \\ 4 \mid 3 \cdot 4 + 8 \mid 20 \\ 5 \mid 3 \cdot 7 + 8 \mid 20 \\ 6 \mid 3 \cdot 7 + 8 \mid 20 \\ 6 \mid 3 \cdot 7 + 8 \mid 20 \\ 6 \mid 3 \cdot 7 + 8 \mid 20 \\ 6 \mid 3 \cdot 7 + 8 \mid 20 \\ 7 \mid 3 \cdot 7 + 8 \mid 20$