Name: _____   Date: _____

Reading and Interpreting Graphs (I^2)

On each graph below, you need to write the following terms in the blanks where they belong:
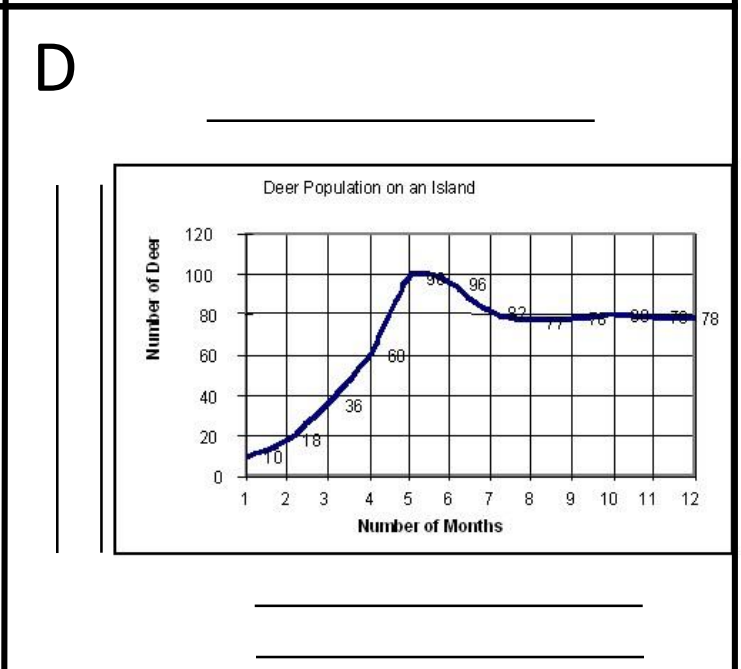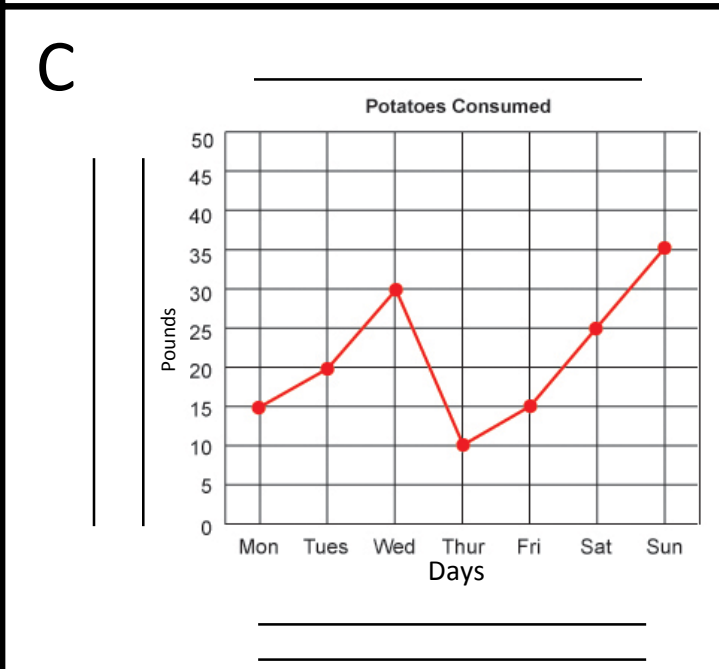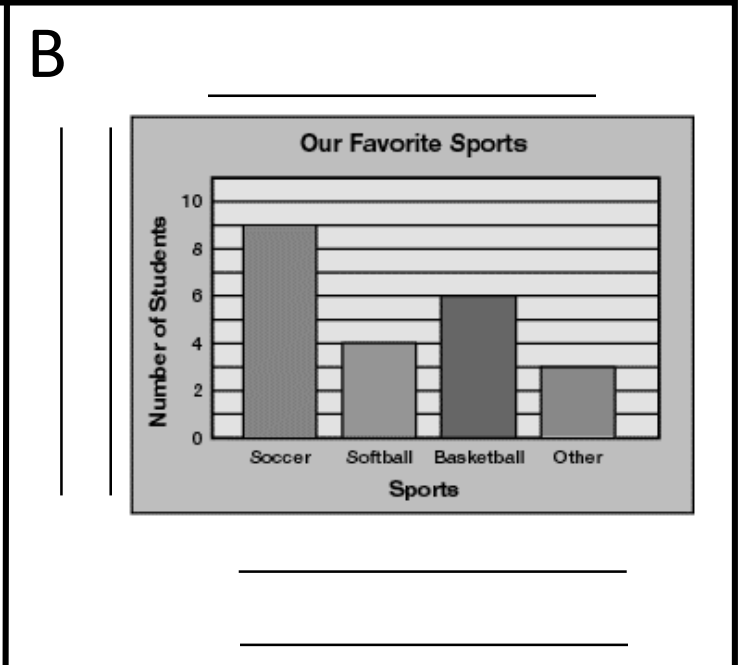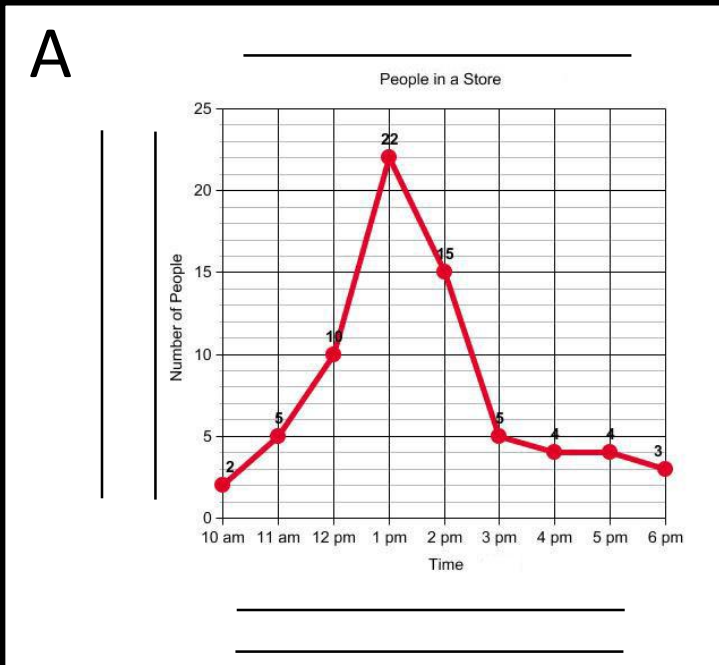
Independent Variable   **Changed by person**
Dependent Variable   **This is measured**
Title

A

_____

People in a Store

(line graph: Number of People vs Time)
Values shown: 2, 5, 10, 22, 15, 5, 4, 4, 3
Time axis: 10 am, 11 am, 12 pm, 1 pm, 2 pm, 3 pm, 4 pm, 5 pm, 6 pm

_____
_____

B

_____

Our Favorite Sports

(bar graph: Number of Students vs Sports)
Soccer, Softball, Basketball, Other

_____
_____

C

_____

Potatoes Consumed

(line graph: Pounds vs Days)
Mon, Tues, Wed, Thur, Fri, Sat, Sun

_____
_____

D

_____

Deer Population on an Island

(line graph: Number of Deer vs Number of Months)
Values shown: 10, 18, 36, 60, 98, 96, 82, 77, 76, 80, 78, 78
Number of Months: 1–12

_____
_____

Highlight in BLUE the parts of the line graphs that show an INCREASE.

Highlight in YELLOW the parts of the graphs that show a DECREASE.

Annotate the graphs with I^2 notes – what I see and what It means

Use the graphs to answer the following questions.

Look at Graph A.

1. What is the independent variable? _____

2. What is the dependent variable? _____

3. What is the title? _____

4. At what time of day is the store filled with the most people? _____

5. How many people are there? _____

6. How many people are in the store at 12pm? _____ at 2pm? _____ at 5pm? _____

Look at Graph B.

1. What is the independent variable? _____

2. What is the dependent variable? _____

3. What is the title? _____

4. What sport is the favorite? _____ How many students like it? _____

5. How many students like basketball? _____

6. How many students like basketball and softball combined? _____

Look at Graph C.

1. What is the independent variable? _____

2. What is the dependent variable? _____

3. What is the title? _____

4. When does potato consumption decrease? _____

5. On what day are the most potatoes eaten? _____ How many? _____

6. On what day are the least potatoes eaten? _____ How many? _____

Look at Graph D.

- What is the independent variable? _____

- What is the dependent variable? _____

- What is the title? _____

- During how many months does the deer population increase? _____

- Why do you think the population is increasing? _____
_____

- What happens at month 5? _____ Why? _____
_____

- What happens at month 7? _____ Why? _____
_____