WRITING FUNCTION RULE EXAMPLES

You are washing and drying clothes at a self-service laundry. The relationship between the number of loads and the cost is a function. Write a function rule.

Number of Loads	1	2	3	4
Cost	$2.75	$5.50	$8.25	$11.00

Write a function rule for the relationship between the number of hours and the number of miles.

Hours	1	2	3	4
Total Miles	60	120	180	240

Write a function rule for the relationship.

Input x	1	2	3	4
Output y	5	8	11	14

Write a function rule for the relationship.

Number of Houses	1	2	3	4
Total Number of Toothpicks	6	11	16	21

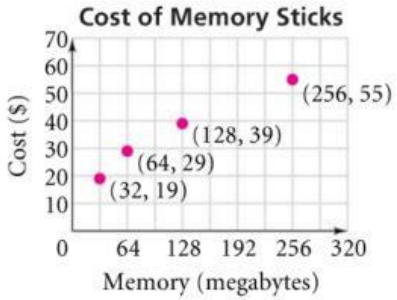
Instructions: Cut along the thick, solid lines.

LIVEWORKSHEETS

A **dependent variable** depends on the value of the **independent variable**.

Memory Stick The table and graph model a function relating the storage capacity of a memory stick and its cost. Identify the independent and dependent quantities.

Memory (mb)	Cost ($)
32	19
64	29
128	39
256	49



The possible values for the _____, or the independent variable, of a function are the **domain** of the function. The possible values of the _____, or dependent variable, are the **range**, of the function.

Example –
Maria earns $7 per hour for baby-sitting after school and on Saturday. She works no more than 16 hours a week.

a) What are the independent and dependent quantities.

b) Find reasonable domain and range values for this situation.

A **function** is a relationship that assigns _____ _____ output value for each input value. For each input, there is _____ _____ corresponding output. A **function rule**, such as _____, is an _____ that describes a functional relationship.

Instructions: Cut along the thick, solid lines.

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