



NAME \_\_\_\_\_

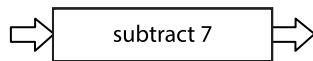
DATE \_\_\_\_\_

PERIOD \_\_\_\_\_

**Unit 5, Lesson 2****Practice Problems**

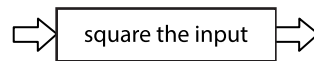
1. Here are several function rules. Calculate the output for each rule when you use -6 as the input.

A

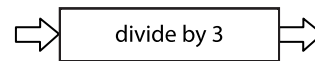


rule 1

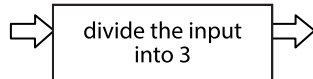
B



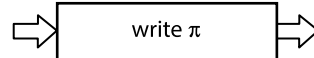
rule 2



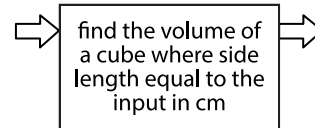
rule 3



rule 4



rule 5



rule 6

2. A group of students is timed while sprinting 100 meters. Each student's speed can be found by dividing 100 m by their time. Is each statement true or false? Explain your reasoning.
- Speed is a function of time.
  - Time is a function of distance.
  - Speed is a function of number of students racing.
  - Time is a function of speed.
3. Diego's history teacher writes a test for the class with 26 questions. The test is worth 123 points and has two types of questions: multiple choice worth 3 points each, and essays worth 8 points each. How many essay questions are on the test? Explain or show your reasoning.



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4. These tables correspond to inputs and outputs. Which of these input and output tables could represent a function rule, and which ones could not? Explain or show your reasoning.

Table A:

input	output
-2	4
-1	1
0	0
1	1
2	4

Table B:

input	output
4	-2
1	-1
0	0
1	1
4	2

Table C:

input	output
1	0
2	0
3	0

Table D:

input	output
0	1
0	2
0	3