## Calculus Daffynitions in a Right Angle Puzzle

by David Pleacher

This puzzle combines two of my favorite activities -- Silly Definitions and a Right Angle Puzzle.

Determine the answer to each "calculus definition" below.

Then write the word in the $12 \times 12$ matrix using the following rules:
(1) Each word makes one right angle turn somewhere along its length. But it is your task to determine where each word makes this turn and in which direction.
(2) As a guide, the starting direction of each answer word (i.e., the direction of the word before the right-angle turn) is indicated by the letter given after the clue number. Words can go north, south, east, or west to start with.
(3) Of additional help is the fact that each letter in the correctly completed grid appears in exactly one word.

|  |  |  |  |  |  |  | 1S | 2E |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  |  |  | 3 W |

$W{\underset{S}{S}}_{\substack{N \\ E}}$

1S. When the witch's spell no longer works.

2E. A bent line that's been in an accident.

3W. A person who is kin to another.

4E. A social gathering or occasion.

5N. A smart time piece.

6W. How does the calculus student's dog bark? (Actually, the dog says this word twice)

7E. Stay away from the $\qquad$ on Halloween!

8E. Amy sent the get well card to her $\qquad$ .

9S. You need to win three of these in volleyball to take the match.

10W. Michael rolled his eyes at his dad, hoping that he would soon get to the $\qquad$ .

11N. What Billy Ori brewed in his home.

12S. A father upon seeing the bathroom door closed, muttered to himself,
"Is that daughter of mine $\qquad$ ?"

13N. A song in an opera.

14E. Something that never changes.

15E. A prisoner's poem.

16W. Where escaped prisoners hide out.

17S. What a gentleman goes to the beach to become.

18S. Sarah thought her math teacher was from a different $\qquad$ .

19W. A hotel book keeper.

20N. When a toilet is flushed in an airplane.

21 N . The opposite of a stop sign.

