Blueberry Pancakes

Ingredients:

$\lim_{x \to -4} \dfrac{-3x-23}{2x-3}$

$\lim_{x \to 4} \dfrac{x^2-7x+12}{x-4}$

$\lim_{x \to 4} \dfrac{-x^2+11x-28}{x^2-4x}$

$\lim_{x \to \pi} \sin\left(\dfrac{x}{6}\right)$

$\lim_{x \to \frac{\pi}{2}} 2\tan\left(\dfrac{x}{2}\right)$

$\lim_{x \to 3} \dfrac{-x^2+7x-12}{x-3}$

$\lim_{x \to -1} \dfrac{2x^2+7x+5}{x+1}$

$\lim_{x \to 0} \dfrac{\sqrt{1+x}-1}{x}$

egg

cup all-purpose flour*

cup milk

cup fresh or frozen blueberries (thawed and well drained)

tablespoons shortening, (or vegetable oil)

tablespoon sugar

teaspoons baking powder

teaspoon salt

Beat egg with hand beater until fluffy; beat in remaining ingredients just until smooth. Grease heated griddle if necessary. (To test griddle, sprinkle with few drops of water. If bubbles skitter around, heat is just right.)

Pour about 3 tablespoons batter from tip of large spoon or from pitcher onto hot griddle. Cook pancakes until puffed and dry around the edges. Turn and cook other sides until golden brown. (To keep pancakes hot, stack on hot plate with towels in between; or stack in the top of a double boiler.)

Recipe makes about nine 4-inch pancakes.

*If using self-rising flour, omit baking powder and salt.

Many thanks to Kathy Rivers for retyping this puzzle.

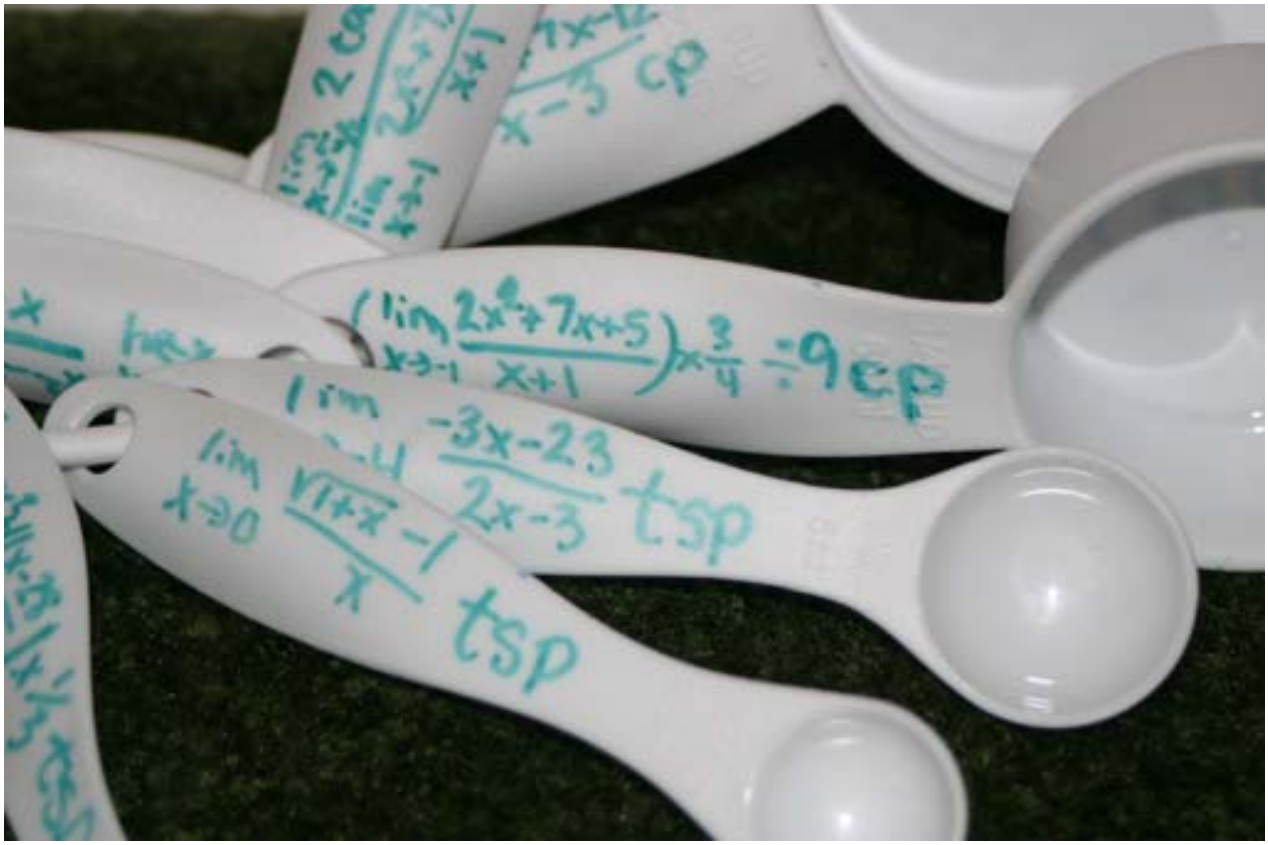
After Emily Powell correctly solved the worksheet above, she made a batch of blueberry pancakes which her brother eagerly sampled!

Dave Powell enjoying those pancakes!

When checking the answers for the puzzle above, I called on one of my students for the number of cups of blueberries needed. She answered sin 30 degrees. I responded that I had never seen a measuring cup marked with sin 30 degrees. The next day, two students, Cerena Uttal and Emily Powell, brought in a set of measuring cups in which the number of teaspoons, tablespoons, and cups are marked as limit problems, and sure enough, the ½ cup was the limit problem above,

$$\lim_{x \to \pi} \sin\left(\frac{x}{6}\right) \quad or \quad \sin(30°).$$

Below are some pictures of this unique set of measuring cups!


$\lim_{x\to -1}\frac{2x^2+7x+5}{x+1}$
$\frac{3}{4}$ cp
$\frac{-3x-23}{2x-3}$ tsp
$\frac{\sqrt{1+x}-1}{x}$ tsp