PERSON PUZZLE: SOLVING EQUATIONS
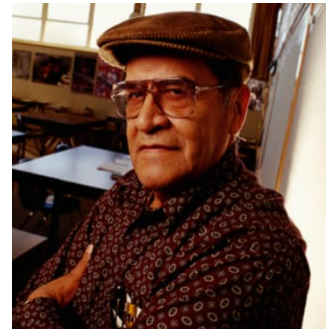
Who is Jaime Escalante?

Photo: David Butow/Corbis via Getty Images

Name: _____

Date: _____

Jaime Alfonso Escalante Gutiérrez, (born December 31, 1930), is a Bolivian native who immigrated to the United States and became one of the most influential educators in history. He is most famous for his years teaching troubled math students at an Eastern Los Angeles High School. Mr. Escalante never gave up on his students, eventually leading them on the path to succeeding on the advanced placement calculus exam.

Directions: Solve each equation shown on the other page. The word or phrase next to the equivalent answer will give you a glimpse of the powerful legacy Jaime Escalante left behind.

1. Jaime Escalante taught at which school in Eastern Los Angeles?

   a. 2   Torres High School
   b. −2   Garfield High School
   c. 6   East Valley High School

2. What 1988 movie portrayed Jaime Escalante's biography?

   a. −3   Freedom Writers
   b. No Solution   The Breakfast Club
   c. 3   Stand and Deliver

3. At the age of 21, Escalante began teaching which subject?

   a. 3.5   Physics
   b. 4.5   Mathematics
   c. 1   Engineering

4. What happened when Escalante's students received high scores on the AP Calculus exam for the first time?

   a. 35   Testing Co. accused students of cheating
   b. −35   All the students received scholarships
   c. 19   Students accepted defeat

5. Having little to no money, Jaime bought what type of car, which later became his trademark when he began teaching?

   a. −1   Chevrolet Camaro
   b. 1   Mustang Convertible
   c. 0   Volkswagen Beetle

6. Students nicknamed Mr. Escalante _____, inspired by Tonto's nickname for the Lone Ranger in the TV series.

   a. No Solution   Kimo
   b. Infinite Solutions   Wit
   c. 5.23   Kono

7. Escalante told his students that they could succeed at everything if they had the "*ganas*". What does this mean?

   a. 500   Passion
   b. 5000   Desire
   c. $18.\overline{3}$ Energy

5. Jaime Escalante said that he wants to be remembered as…

   a. 8   "Someone who changed education."

   b. 3   "The greatest calculus teacher ever."

   c. All real numbers   "A teacher, picturing that potential everywhere."

QUESTIONS- SOLVING LINEAR EQUATIONS

1. What is the solution to the equation? $$3(x-1) + 2x = 8x + 3$$	2. What is the solution to the equation? $$2(4x-1) = 3x + 13$$	3. Find the value of x that satisfies the equation. $$-2(4-x) + 6 = 5$$
4. What is the solution to the equation? $$\frac{b+4}{3} = \frac{b-9}{2}$$	 *Photo: David Butow/Corbis via Getty Images*	5. What is the value of x in the equation below? $$\frac{x-1}{2} + \frac{3}{4} = \frac{1}{4}$$
6. Find the value of x that satisfies the equation. $$2(-16x + 10) = -32x - 26$$	7. Find the value of y that satisfies the equation. $$0.06y - 350 = 0.03y - 200$$	8. What is the solution to the equation shown below? $$4x + 5\left(4x - \frac{12}{5}\right) = 24x - 12$$