



PERSON PUZZLE SOLVING SYSTEMS WITH SUBSTITUTION

NAME _____ DATE _____

MAYA ANGELOU

An iconic American author and poet, Maya Angelou (1928 - 2014) was one of the first African American women to write publicly about the trials in her personal life. Her artistic success led to opportunities to work with Martin Luther King Jr. and other Civil Rights Activists. Her first autobiography, *I Know Why the Caged Bird Sings*, brought her national recognition and acclaim.



DIRECTIONS: Solve each system of equation by substitution. The word or phrase next to the equivalent solution will complete the statement correctly.

1. $y = 5x + 4$
 $y = x$

Angelou was born in _____, Missouri.

- a. (1, 1) Kansas City
- b. (-1, 1) Springfield
- c. (-1, -1) St. Louis

2. $y = -2x + 10$
 $y = x + 1$

Her real first name was actually _____.

- a. (-3, -2) Calypso
- b. (3, 4) Marguerite
- c. (5, 2) Mary

3. $y = x + 2$
 $3x + 6y = 12$

After suffering from childhood abuse, Angelou became mute for _____ years.

- a. (0, 2) five
- b. (4, 6) four
- c. (-3, -1) three

4. $-2x + y = 7$
 $y = -4x - 11$

Angelou studied _____ and _____ at the California Labor School.

- a. (-3, 1) dance and drama
- b. (10, -51) literature and poetry
- c. (0, 7) television and film

5. $x = y - 1$
 $y = -4x + 21$

After the encouragement of writer John Oliver Killens, in 1959 Angelou moved to _____ to focus on her writing.

- a. (-3, -2) California
- b. (9, 10) Massachusetts
- c. (4, 5) New York

6. $y = -\frac{1}{4}x + 5$
 $y = x + 2$

She helped build the Organization of African American Unity with _____.

- a. (-5, -3) Julian Mayfield
- b. (12/5, 22/5) Malcolm X
- c. (1, 3) Martin Luther King Jr.

7. $3x = -3 + 6y$
 $-\frac{1}{3}x + 8 = y$

Since 1991, Angelou has been a professor at _____.

- a. (-7, 4) Duke University
- b. (1, -9) University North Carolina
- c. (9, 5) Wake Forest University

8. $-\frac{2}{3}x + 3y = -34$
 $x = -3y + 3$

During her lifetime, Angelou was given over _____ honorary degrees.

- a. (6/5, -1/6) 5
- b. (1/5, 2/3) 10
- c. (111/5, -32/5) 30



PERSON PUZZLE



1.
$$y = 5x + 4$$
$$y = x$$

2.
$$y = -2x + 10$$
$$y = x + 1$$

3.
$$y = x + 2$$
$$3x + 6y = 12$$

4.
$$-2x + y = 7$$
$$y = -4x - 11$$



**MAYA
ANGELOU**

5.
$$x = y - 1$$
$$y = -4x + 21$$

6.
$$y = -\frac{1}{4}x + 5$$
$$y = x + 2$$

7.
$$3x = -3 + 6y$$
$$-\frac{1}{3}x + 8 = y$$

8.
$$-\frac{2}{3}x + 3y = -34$$
$$x = -3y + 3$$



PERSON PUZZLE - SOLVING SYSTEMS W/SUBSTITUTION

NAME _____ DATE _____

MAYA ANGELOU

An iconic American author and poet, Maya Angelou (1928 - 2014) was one of the first African American women to write publicly about the trials in her personal life. Her artistic success brought her opportunities work with Martin Luther King Jr. and other Civil Rights Activists. Her first autobiography, *I Know Why the Caged Bird Sings*, brought her national recognition and acclaim.



DIRECTIONS: Solve each system of equations by substitution. The word or phrase next to the equivalent solution will determine the correct answer.

ANSWER KEY

1. $y = 5x + 4$
 $y = x$

Angelou was born in _____, Missouri.

- a. (1, 1) Kansas City
- b. (-1, 1) Springfield
- c. (-1, -1) St. Louis

3. $y = x + 2$
 $3x + 6y = 12$

After suffering from traumatic childhood abuse, Angelou was mute for _____ years.

- a. (0, 2) five
- b. (4, 6) four
- c. (-3, -1) three

5. $x = y - 1$
 $y = -4x + 21$

After the encouragement of writer John Oliver Killens, in 1959 Angelou moved to _____ to focus on her writing.

- a. (-3, -2) California
- b. (9, 10) Massachusetts
- c. (4, 5) New York

7. $3x = -3 + 6y$
 $-\frac{1}{3}x + 8 = y$

Since 1991, Angelou has been a professor at _____.

- a. (-7, 4) Duke University
- b. (1, -9) University North Carolina
- c. (9, 5) Wake Forest University

2. $y = -2x + 10$
 $y = x + 1$

Her real name was actually _____.

- a. (-3, -2) Calypso
- b. (3, 4) Marguerite
- c. (5, 2) Mary

4. $-2x + y = 7$
 $y = -4x - 11$

Angelou studied _____ and _____ at the California Labor School.

- a. (-3, 1) dance and drama
- b. (10, -51) literature and poetry
- c. (0, 7) television and film

6. $y = -\frac{1}{4}x + 5$
 $y = x + 2$

She helped build the Organization of African American Unity with _____.

- a. (-5, -3) Julian Mayfield
- b. (12/5, 22/5) Malcolm X
- c. (1, 3) Martin Luther King Jr.

8. $-\frac{2}{3}x + 3y = -34$
 $x = -3y + 3$

During her lifetime, Angelou was given over _____ honorary degrees.

- a. (6/5, -1/6) 5
- b. (1/5, 2/3) 10
- c. (111/5, -32/5) 30