

No Work No Grade

Question 1

Solve the following equation for a :

$$-2a + 6 = 5a - 8$$

Question 2

Simplify the following expression :

$$(x - 4)(x + 6)$$

Question 3

A container has a 3 red marbles, 7 blue marbles and 8 white, Juan selected a marble at random, what is the probability that the selected marble is white? **Simplify your answer**

Question 4

Simplify the following expression using exponents rules:

$$(2y^3)^2$$

Question 5

For the list numbers shown below, what is the average?

$$\{23,11,41,75,57,63,80\}$$

Question 6

Solve the quadratic equation below for b?

$$x^2 - 9x = 36$$

Question 7

Solve for k?

$$\sqrt{2k - 1} = 16$$

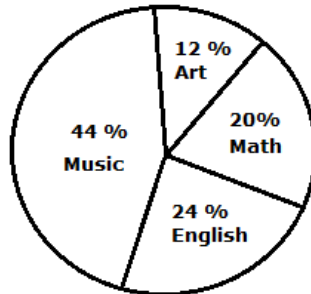
Question 8

Simplify the following expression using the common factor:

$$-4m^2 - 12m$$

Question 9

A Survey was conducted for 280 students to figure out their favorite subject at school. As shown in the circle graph below:



- A. How many students like math? _____
- B. What is the difference between students that like Music and English? _____

Question 10

The number of students at school varies directly with the number of teachers, when there is 300 students, the number of teachers needed is 15 teachers, how many teachers needed for 500 students?