

Name: _____
Date: _____

Final Review - 07
Systems of Equations 02

1. Which of the following statements about the system of equations below is true?

Eq. 1) $4y = 6x + 24$

Eq. 2) $2y - 3x - 12 = 0$

- A) The system has **one** unique solution
- B) The system has **two** unique solutions
- C) The system has **no** solutions
- D) The system has an **infinite** number of solutions

Answer: _____

2. Jim buys pencils and crayons for his son.
- A total of 210 writing utensils are purchased.
 - Jim buys three times as many crayons as pencils.

Let $x =$ number of pencils purchased
 $y =$ number of crayons purchased

Which of the following systems of equations represents the information on the number of pencils and crayons purchased by Jim?

A) $x = 3y$
 $x + 3y = 210$

C) $y = 3x$
 $3x + y = 210$

B) $x = 3y$
 $x + y = 210$

D) $y = 3x$
 $x + y = 210$

Answer: The correct set of equations that represent this situation is _____

- 3. Dwayne buys apples and oranges at the grocery store.
40 apples and 50 oranges cost him \$ 119.00
The cost of an orange is twice the cost of an apple.
How much would it cost Dwayne buy 2 apples and 2 oranges?**

The cost of 2 apples and 2 oranges would be \$ _____

4. The school cafeteria sells two sizes of cookies: **small** and **ginormous**.

- The **ginormous** cookie is **three times** the weight of the **small** cookie.
- **8 small** cookies and **4 ginormous** cookies weigh **350 grams**.

How much would **6 small** cookies and **5 ginormous** cookies weigh?

Answer:

The total weight of 6 small cookies and 5 ginormous ones would be _____ g

5. Chris gets a job at the Apple store selling iPhones and iPads. His sales are written down in the table below. How much were Chris' sales in week 3?

	<i>iPhones</i>	<i>iPads</i>	<i>Sales (\$)</i>
Week 1	3	4	5150
Week 2	8	5	9200
Week 3	10	12	?

In his third week, Chris made \$ _____