

Q1 (Substitution) Day 3 Name: _____

1. If $a = 1$ $b = 2$ and $c = 3$

Write the correct number in each of the boxes below.

$$a^2 + c = \underline{\hspace{2cm}}$$

$$c^3 - b = \underline{\hspace{2cm}}$$

2. If $a = 2$ $b = 3$ and $c = 4$

Write the correct number in each of the boxes below.

$$b + a^2 = \underline{\hspace{2cm}}$$

$$a^3 - c = \underline{\hspace{2cm}}$$

3. If $a = 3$ $b = 4$ and $c = 5$

Write the correct number in each of the boxes below.

$$c + a^2 = \underline{\hspace{2cm}}$$

$$b^2 - c = \underline{\hspace{2cm}}$$

4. If $a = 4$ $b = 6$ and $c = 6$

Write the correct number in each of the boxes below.

$$c^2 + a = \underline{\hspace{2cm}}$$

$$a^3 - b = \underline{\hspace{2cm}}$$

5. If $a = 4$ $b = 2$ and $c = 6$

Write the correct number in each of the boxes below.

$$b^3 + c = \underline{\hspace{2cm}}$$

$$a^2 - b = \underline{\hspace{2cm}}$$

6. If $a = 5$ $b = 2$ and $c = 1$

Write the correct number in each of the boxes below.

$$c^2 + b^2 = \underline{\hspace{2cm}}$$

$$a^3 - c^3 = \underline{\hspace{2cm}}$$

7. If $a = 9$ $b = 3$ and $c = 2$

Write the correct number in each of the boxes below.

$$a^2 - c = \underline{\hspace{2cm}}$$

$$c^3 + b^2 = \underline{\hspace{2cm}}$$

8. If $a = 8$ $b = 6$ and $c = 3$

Write the correct number in each of the boxes below.

$$b^2 - a = \underline{\hspace{2cm}}$$

$$a^2 + c^3 = \underline{\hspace{2cm}}$$

9. If $a = 11$ $b = 10$ and $c = 6$

Write the correct number in each of the boxes below.

$$c^3 - a^2 = \underline{\hspace{2cm}}$$

$$b^2 + c = \underline{\hspace{2cm}}$$

10. If $a = 7$ $b = 4$ and $c = 7$

Write the correct number in each of the boxes below.

$$c^2 - a = \underline{\hspace{2cm}}$$

$$a^3 + b^2 = \underline{\hspace{2cm}}$$

11. If $a = 10$ $b = 14$ and $c = 15$

Write the correct number in each of the boxes below.

$$c^2 - b^2 = \underline{\hspace{2cm}}$$

$$a^3 + b = \underline{\hspace{2cm}}$$

12. If $a = 20$ $b = 21$ and $c = 8$

Write the correct number in each of the boxes below.

$$c^3 - b = \underline{\hspace{2cm}}$$

$$a^3 + c^2 = \underline{\hspace{2cm}}$$

Answers

1. 4	25
2. 7	4
3. 14	11
4. 40	58
5. 14	14
6. 5	124
7. 79	17
8. 28	91
9. 95	106
10.42	359
11.29	1014
12. 491	8064