Unit 2 - Week 0

Assignment 0

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-01-27, 23:59 IST.

Note : This assignment is for practice and it will not be graded.

1) Let $f(x) = x^2 + 2x + 3$, then the value of $f(3)$ is *1 point*

- 18
- 11
- 6
- 27

No, the answer is incorrect.
Score: 0
Accepted Answers:
18

2) Let S be a set containing all natural numbers less than 5, then *1 point*

- S = {1, 2, 3, 4, 5}
- S = {0, 1, 2, 3, 4}
- S = {0, 1, 2, 3, 4, 5}
- S = {1, 2, 3, 4}

No, the answer is incorrect.
Score: 0
Accepted Answers:
S = {1, 2, 3, 4}

3) Let $A = \{2, 4, 6\}$ and $B = \{2, 6\}$ then $A \cup B$ is *1 point*

- {2, 6}
- {2, 4, 6}
- { }
- {{2}, 6}

No, the answer is incorrect.
Score: 0
Accepted Answers:
{2, 4, 6}

4) Evaluation of $6^2 \times 6^{-6} \times 6^5$ is *1 point*

- 36
- 0
- 6
- $\frac{1}{6}$

No, the answer is incorrect.
Score: 0
Accepted Answers:
6

5) The simplest form of $\frac{1080}{1800}$ is *1 point*

- $\frac{5}{3}$
- $\frac{3}{5}$
- $\frac{6}{5}$
- $\frac{5}{6}$

No, the answer is incorrect.
Score: 0
Accepted Answers:
$\frac{3}{5}$

6) If $11x - 39 = 49$, then x is *1 point*

- 8
- 9
- -8
- -9

No, the answer is incorrect.
Score: 0
Accepted Answers:
8

7) The coefficient of x^2y in the expansion of $(4x + 5y)^3$ is equal to *1 point*

- 1200
- 80
- 240
- 300

No, the answer is incorrect.
Score: 0
Accepted Answers:
240

8) If $7^{2k} = 2401$, then the value of k is *1 point*

- 4
- 5
- 2
- 3

No, the answer is incorrect.
Score: 0
Accepted Answers:
2

9) Let $A = \{1, 2\}$ and $B = \{a, b\}$, then $B \times A$ is *1 point*

- {(a, 1), (a, 2), (b, 1), (b, 2)}
- {(a, a), (a, b), (1, 1), (2, 2)}
- {(1, a), (2, a), (1, b), (2, b)}
- {(a, b), (1, 2), (b, a), (2, 1)}

No, the answer is incorrect.
Score: 0
Accepted Answers:
{(a, 1), (a, 2), (b, 1), (b, 2)}

10) For the arithmetic sequence $a_n = a + (n - 1)d$, if $a_3 = 11$ and $a_5 = 19$, then the value of a is *1 point*

- 8
- 4
- 7
- 3

No, the answer is incorrect.
Score: 0
Accepted Answers:
3