**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:Solve: in the figure y, the and difference is 35 and 5cm.constract the equations. x (02 Marks)**

**Level of Item: Comprehension**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| Length =x  Width = y  X+Y = 35m .  X-Y=5m | From the first condition i.e sum.  From the second condition i.e difference | 01 |

**Name and Signature**

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**Reviewer Comments:**

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**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:Solve: the sum and difference of the dimensions of x-1 y+2 is 30cm and 23m. construct the equation. (04 Marks)**

**Level of Item: Comprehension**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| Length =x-1  Width = y+2  x-1 + y+2 = 30cm  x+y+1=30cm  x+y=29cm  (x-1) – (y+2) =23  x-1-y-2 = 23  x-y-3=23  x-y = 226 | Sum of sides  Simplifying  Difference of sides  Simplifying | 01  01  01  01 |

**Name and Signature**

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**Reviewer Comments:**

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**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:Solve: 2x+y=15; 3x-y=5 by elimination method 04 Marks)**

**Level of Item: Comprehension**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| 2x + y = 15  3x – y =15  By adding 5x = 20  X= 20  X=4  3x – y = 5  3(x)-y=5  12-y=5  12-5=y  7=y  Or y=7 | Adding  Finding  Putting the simplifying  Simplifying | 01  01  01  01 |

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**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:Solve by substantion method: x-2y=13, 3x-y=4**

**(04 Marks)**

**Level of Item: Comprehension**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| x-2y=13  3x-y=4  3x-4=y  Substitation in Eq:  X+2(3x-4) = 13  7x-8=13  7x=13+8  7x=21  X=3  Y=3(3\_-4  =9-4  =05 | Simplifying  Using and Simplifying | 01  01  01  01 |

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**Name and Signature Reviewer**

**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The difference of two numbers Is 12 and three sum is 2 times of the difference.**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| x-y=12  x+y=2(12)  x+y=24  x+y=24  x-y=12  2x =36  X =18  18-y=12  18-12=Y  6=y  Or y=6 | According to coordination 1  According to coordination  Adding 1 & 2  Using eq(1)  Simplifying | 01  01  01  01  01 |

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**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The sum of two numbers is 36 and one one third of sum find the numbers.**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X+y=36  x-y=1/3(36)  x-y=12  x+y=36  x-y=12  2x =48  X =24  24-y=12  24-12=Y  12=y  Or y=12 | According to coordination 1  According to coordination  Adding 1 & 2  Using eq(1)  Simplifying | 01  01  01  01  01 |

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**Name and Signature Reviewer**

**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:**85- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The exponeat of -3x-2 13: (a) 3 (b) -3 (d) -2.**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| -2 | Exponent | 01 |

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**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The exponent of -/2 y -1/2 is = (a) ½ (b) -1/4 (c) 3/2 (d) -3/2**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| -1/2 | Exponent | 01 |

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**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The simplified from of x4-x-7 15 (a) x3 (b) x-3 (c) x-11 (d) x11**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X-3 | Indecislaws i.e. xm-xn  = X | 01 |

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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The simplified find form of x11/x11 15. (a) x6 (b) x-6 (c) x16 (d) x-16**

**(04 Marks)**

**Level of Item: Comp…..**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X16 | Indices law i.exm/xn =x mn | 01 |

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Dr.M. Anwer

**Reviewer Comments:**

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**Name and Signature Reviewer**

**Mathematics**

**Subject: Mathematics**

**Domain: B-Number and Operation**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task:MCQ**

**Level of SLO: Comprehension**

**Task:Solution of incquality 5x-2x<12 is : (a) x<3 (b) x<-3 (c) x>3 (d) x7-3**

**(04 Marks)**

**Level of Item: Comp…..**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X<3 | Solution of inequality | 01 |

**Name and Signature**

Dr.M. Anwer

**Reviewer Comments:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name and Signature Reviewer**

**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: MCQ**

**Level of SLO: Comprehension**

**Task:Solution of inequality 2x-3<9-x is : (a) x<4 (b) x<-4 (c) x>4 (d) x>-4**

**(04 Marks)**

**Level of Item: Comp…..**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X<4 | Solution of inequality | 01 |

**Name and Signature**

Dr.M. Anwer

**Reviewer Comments:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name and Signature Reviewer**